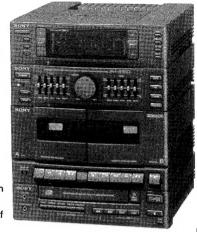
HCD-H150/H500

SERVICE MANUAL

HCD-H150 and HCD-H500 are the tuner, deck, CD and amplifier section in FH-B150/B155 and MHC-500 respectively.

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

"DOLBY" and the double-D symbol [10] are trademarks of Dolby Laboratories Licensing Corporation,



AFP Model HCD-H150/H500 UK Model HCD-H500 F Model Tourist Model US Model Canadian Model East European Model Australian Model

HCD-H150

Photo: HCD-H150

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND **TOTAL HARMONIC DISTORTION:**

With 6 ohm loads, both channels driven, from 60 Hz - 20 kHz; rated 16 watts per channel minimum RMS power, with no more than 1% total harmonic distortion from 250 milliwatts to rated output.

Tuner Section

System

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range

65.0-74.0MHz (East European) 87.5 - 108 MHz

Antenna

Telescopic antenna (HCD-H150) FM lead antenna

(HCD-H500) Antenna terminals 75 ohms unbalanced

Intermediate frequency 10.7 MHz

AM tuner section

Tuning range

For US and Canadian MW: 530-1.710kHz MW: 522-1.611kHz For Italian

LW: 144-288kHz

١	CD	Model Name Using Similar M	lechanism_	HCD-H5
		CD Mechanism Name	CDM13A-5BD3	
1	Section	Base Unit Name		BU-5BD3
	DECK Section	Model Name Using Similar Mechanism		HCD-H5
1			DECK A	TCM-180VA-N2
		Туре	DECK B	TCM-180VB-N2

For AEP, Italian, Germany, East European and UK MW: 531 -- 1,602 kHz

LW: 153 - 279 kHz

For other countries

MW: 531 - 1,602 kHz SW: 5.95 - 17.9 MHz

AM loop antenna, External Antenna

antenna terminals

Intermediate frequency

450 kHz

Amplifier Section

Continuous RMS power output

20 + 20 watts (6 ohms at 1 kHz, 5% THD)

Peak music power output

(For the models other than AEP, Germany, East European, Italian, US, Canadian and UK)

Inputs

240 watts (6 ohms) MIX MIC (minijack): sensitivity 1 mV, impedance 600 ohms

For AEP, Italian, Germany, East European and UK PHONO (phono jack):

sensitivity 5 mV, impedance 47 kilohms

For other countries

AUX/VIDEO (phono jack): sensitivity 400 mV, impedance 47 kilohms

HEADPHONES (stereo

minijack): accepts headphones of

8 ohms or more.

SPEAKER: accepts speakers of 6 to

16 ohms.

Compact Disc Player Section

System Laser

Compact disc digital audio system Semiconductor laser (λ=780 nm)

Emission duraion: Continuous

Max. 44.6 μW* Laser output

This ouput is the value measured at distace of about 200 mm from the objective lens surface on the Optical Pick-up Block.

More than 95 dB Signal to noise ratio More than 90 dB Dynamic range

Cassette Deck Section

Recording system

4-track 2-channel stereo Frequency response (DOLBY NR OFF) 60 - 13,000 Hz (±3 dB), using TYPE I cassette (Sony HF-S)

60 - 14,000 Hz (±3 dB), using TYPE II cassette 0.1% WRMS ±0.3% (DIN)

Wow and flutter

- continued on next page -

COMPACT DISC DECK RECEIVER SONY Speaker Section

TABLE OF CONTENTS

Title

Page

Section

	•••
Speaker system Speaker units	3 way system Woofer: 14 cm dia., cone type
	Tweeter: 5 cm dia., cone type
	Super tweeter: 2cm dia., dome type
Enclosure type	Bass reflex
Frequency range	60 Hz - 20 kHz
Sensitivity	88 dB/W/m
Impedance	6 ohms
Dimensions	Approx. $185 \times 285 \times 225$ mm (w/h/d)
Weight	$(7^{3/8} \times 11^{1/4} \times 8^{7/8} \text{ inches})$ Approx. 3.2 kg (7 lb 1 oz) ne per speaker

General

Destination	Power requirements	Power consumption
AEP	220-230V AC, 50/60Hz	60 watts
uĸ	240V AC, 50Hz	120 watts
Other countries	110-120V or 220-240V AC adjustable, 50/60	60watts
US	120V AC, 60Hz	60 watts
Canadian	120V AC, 60Hz	80 watts
East European, Germany, Italian	220-230V AC, 50Hz	60 watts

Dimensions

Approx. $615 \times 285 \times 255$ mm (w/h/d) (24 1/4 × 11 1/4 × 10 1/8

inches)

incl. projecting parts and controls

Weight

Approx. 12.2 kg (26 lb 14 oz)

Accessories supplied

AM loop antenna (1) Remote commander (1) Sony SUM-3 (NS) batteries

FM lead antenna (1) (HCD-H500) Speaker cords (2)

(HCD-H500: except UK)

Design and specifications subject to change without notice.

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

CLASS 1 LASER PRODUCT LUOKAN 1 LASERLAITE KLASS 1 LASERAPPARAT

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT label is located on the rear exterior.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK A OR DOTTED LINE WITH MARK A ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUB-LISHED BY SONY.

2. GENERAL 3. DISASSEMBLY 3-6. VR, Display, Jack, SW Boards20 MECHANICAL ADJUSTMENTS21 6. DIAGRAMS 6-1. Semiconductor Lead Layouts......26 6-2. Circuit Boards Location27 6-3. Printed Wiring Boards -Tuner/CD/Deck Section-30 6-4. Schematic Diagram—Tuner Section—33 6-5. Schematic Diagram—CD Section—36 6-6. Schematic Diagram—Deck Section—39 6-7. Schematic Diagram -Power/Amplifier/Display Section-....43 6-8. Printed Wiring Boards -Power/Amplifier/Display Section-.....47 7. EXPLODED VIEWS 7-1. Case, Power Supply Block57 7-2. Front Panel, Main Board Block58 7-6. CD Block (1)62 7-7. CD Block (2)63 8. ELECTRICAL PARTS LIST64

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE A SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COM-POSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL QU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1 SERVICING NOTES

SAFETY CHECK-OUT

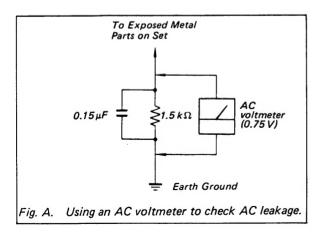
After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)



MODEL IDENTIFICATION

- Specification Labels -

SONY MODEL NO.

COMPACT DISC DECK RECEIVER

SERIAL NO.

MADE IN JAPAN

AEP model: AC: 220-230V~50/60Hz

E, Tourist, Saudi Arabia, Australian model: AC: 110-120/220-240~50/60Hz 60W

UK model: AC: 240V~50Hz 120W US model: AC: 120V~60Hz 60W Canadian model: AC: 120V~60Hz 80W

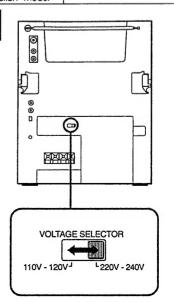
East European, Germany, Italian model: AC: 220 - 230V~50Hz

On operating voltage

Before operating the stereo system, confirm that the operating voltage of your system is identical with the voltage of your local power supply.

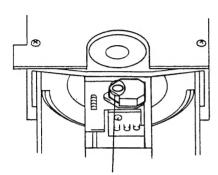
US, Canadian model	120V AC, 60Hz
AEP model	220-230V AC, 50/60Hz
E Saudi Arabia Tourrist Australian model	110-120, 220-240V AC adjustable, 50/60Hz Before connecting the AC power cord to a wall outlet, make sure that the viltage selsctor at the rear is set to the local power line voltage. If not, reset the selector.
East European, Germany, Italian model	220-230V AC, 50Hz





LASER DIODE AND FOCUS SEARCH OPERATION CHECK

- Make POWER switch on with no disc inserted and disc table closed.
- 2. Confirm that the following operation is performed while observing the objecting lens.



- Confirm that laser beam is spread.
- ② Up and down motion of the objective lens. (3 times)

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

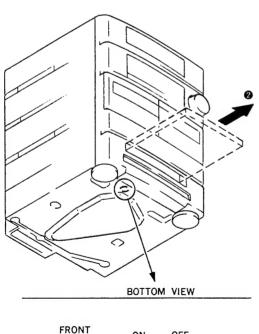
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.

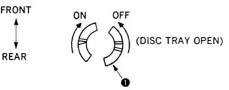
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

HOW TO OPEN THE DISC TRAY WHEN POWER SWITCH TURNS OFF





- (1) Insert to **1** for tapering driver, etc., and turn in the direction of arrow OFF. (Disc tray open)
- (2) Tray as come out little of front panel, pull out in the direction of arrow ② by hand.

SECTION 2 GENERAL

23

This section is extracted from instruction manual.

② Cassette holders 24 Tape operation buttons

◄< : REW (rewind) button (52)</p>

▶►: FF (fast forward) button (52)

25 DOLBY NR (Dolby Noise Reduction) : PAUSE button (46) switch (42, 46, 48)

▷: PLAY (playback) button (42)

: STOP/EJECT button (42) : REC (record) button (46)

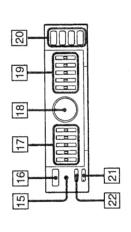
5-band graphic equalizer for left

5-band graphic equalizer for right VOLUME control (22)

channel (22)

Function selectors (18, 24, 30, 42, 46)

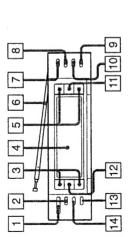
DBFB (Dynamic Bass Feedback) button S-SUR effect button (22) (22)



Δ

24

25



Amplifier Section B

15 STANDBY indicator

power cord is connected to a wall outlet. Remains illuminated as long as the AC POWER switch

channel (22) 16

6 6

222

TIMER CONTROL button (56) TIMER SET button (54)

126

PRESET/TIMER +/- (preset station scan/time set) buttons (20, 26, 54) Display window

Telescopic antenna (FH-B150 and TUNING -/+ buttons (24) 4 (0)

AUTO tuning button (24) MEMORY button (26) NEXT button (20, 54) FH-B155 only) (28) P 8 6 9

BAND selector (24) ENTER button (26)

SHIFT (memory page select) button (26) CLOCK SET button (20)

CLOCK DISPLAY button (20)

CD Player Section D

- 26 HEADPHONES jack (stereo minijack).
- MIX MIC (microphone) jack (minijack) (09) 27
 - Disc compartment
- ♣ OPEN/CLOSE button
 - >個 (play/pause) button EDIT button (48) (stop) button 32355
- I△△ / ▷△ (Automatic Music Sensor)
- ▲ / ▶▶ (manual search) buttons (32) buttons (32)
 - PLAY MODE selectors 8 8
 - CONTINUE play button (36, 38) SHUFFLE play button (36) REPEAT play button (36)
 - PROGF 1M play button (38) TIME display selector (40) 36

Remote Commander E

- VOL (volume) +/- control buttons (Used only for models for other 33 POWER switch
 38 VOL (volume) +/- control I countries)
- (Used only for European and U.K. PHONO select button 8
 - model)
- 41 Tuner operation buttons
 42 TAPE select button
 43 CD player operation buttons
 44 SLEEP timer button

37 38 ¥ \$ **1** 43 45 4 39 44 4

31

30

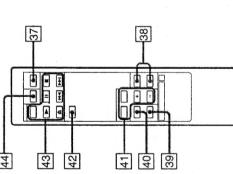
29

88

32

33

34



n

- Strip the coating of the speaker cord by 15 mm (5/8 inches) from the end.
- 2 Connect the right speaker to R, with the Connect the left speaker to L, with the red cord to ⊕ and the black cord to ⊖. red cord to ⊕ and the black cord to ⊖.

Attaching the speakers to the main unit B (FH-B150 and

ပ်

- Unlock the stopper and slide the speaker so that it hooks to the system.
 - 2 Lock the stopper.

AM Loop Antenna Conne

Ö

For the European and U.K. model 2

150

For the models for other countries

· Connect the supplied AM loop antenna to the AM and # terminals.

Ω

回 (MHC-500 only)

Connect the supplied FM lead antenna to the FM 75 Ω terminal and extend horizontally.

.....14

4

Notes on connection

- Connect the AC power cord last.
- channel (R) and white ones for the left Cord plugs and jacks are color coded. Red plugs and jacks are for the right channel (L).

Connections

For Better FM Reception E

Connect the outdoor FM antenna to the

Ε2

E-2

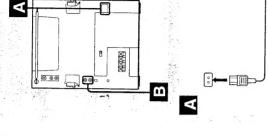
For Better AM Reception F

(Q) Q(

E

insulated wire for connecting the AM Use a 6- to 15-meter (20- to 50-feet) terminal Connect the # terminal to a good ground.

sure to ground it against lightning. Never When you use an external antenna, be connect the ground wire to a gas pipe. Doing so is extremely dangerous.



You can connect a turntable system to the To listen to the turntable system, press the

PHONO jack.

For the European and U.K. model

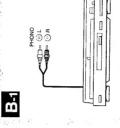
To listen to the connected equipment, press the VIDEO/AUX button on the front panel.

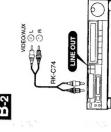
You can connect a VTR, etc. to the VIDEO/

AUX jack.

For the model for other countries

PHONO button on the front panel.





B-2

Tune in any MW station.

procedure.

European and UK model)

models, and 9 kHz for the model for other actory to 10 kHz for USA and Canadian The MW tuning interval is preset at the countries

if you use a system where the frequency allocation system is different from the preset interval, change the interval as

Turn on the power.

4 Turn the power back on while pressing Turn off the power. TUNING +.

To reset the interval, follow the same

stations will be erased from the memory. When the interval is changed, stored

18

Ш

Connect the supplied AC power cord to the AC IN connector and to a wall outlet.

Power Connection

Adding Other Components to

or the European and U.K. model ū

cable and IEC standard socket connector. FM75Q terminal, using 75-ohm coaxial

For the model for other countries

Connect the outdoor FM antenna to the FM75W and # terminals, using 75-ohm coaxial cable.

For the European and U.K. model Ι

For the models for other countries

To attach the AM loop antenna to the main unit in. order to carry the unit See the illustration. G

Clock Setting

Setting the Clock

When the AC power cord is connected, the AM 0:00 for the model for other countries. AM 12:00 for USA and Canadian model. Example: Set to 9:25 in the morning. 0:00 for the European and UK model display shows:

- 1 Press CLOCK SET.
- Set the hour with PRESET/TIMER +/-buttons.
- 3 Press NEXT.
- Set the minutes with PRESET/TIMER +/- buttons.
- **5 Press NEXT.** The clock starts operating.

Information on the time

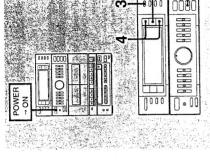
The European and UK model shows the The model for other countries show the time in a 24-hour cycle. ime in a 12-hour cycle.

When a power interruption occurs

The power is backed up for approximately 1 day. If the power is recovered within 1 day, "0:00"(AM 12:00) will flash on the display. clock and timer settings are erased, and timer. If it is longer than 1 day, both the there is no need to reset the clock and

To check the present time while using the system

The time display disappears after a few Press CLOCK DISPLAY.



The automatic tuning allows you to receive

stations whose signal is sufficiently strong.

When the signal is too weak, use the

manual tuning.

Tuning in Automati

1 Press TUNER.

3.5

000

- 2 Press BAND repeatedly until the desired band appears.
- As you press BAND, the band changes USA and Canadian model: as follows:

學

FM → AM

European and UK model:

Model for other countries: $FM \rightarrow MW \rightarrow LW$

1880

+ 14 1

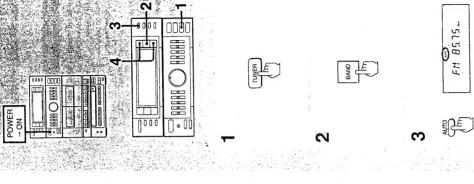
 $FM \rightarrow SW \rightarrow MW$

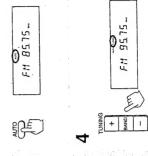
- **Press AUTO.** Make sure that AUTO appears in the က
- display.

溶

Select the station with TUNING + or -.

- 1 Press TUNER.
- Select band by pressing BAND.
- Press AUTO so that AUTO disappears from the display.
- 4 Select station with TUNING + or -.





淤 925 + Ish 1 \$JE

A total of 30 stations can be stored in any desired sequence, so that you can tune in the stored station directly by entering the memory page and number.

Storing Stations

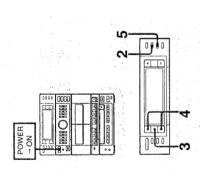
- 1 Tune in the desired station.
- Press MEMORY. N
- MEMORY appears for several seconds.
- While MEMORY is on, press SHIFT to select the memory page (A, B or C). The memory pages (A, B or C) can be classified according to the music category, station band, etc. က
- While MEMORY is on, press PRESET/ TIMER + or to select the number (1 to 10). 4
- Press ENTER.

 MEMORY disappears and the station is stored. S
- Repeat 1 to 5 for each station to be stored. ဖ

Be sure to operate while MEMORY is on (approx. 4 If you cannot store a station successfully Press MEMORY again so that MEMORY appears and then select the desired page and number. seconds).

When you have selected the wrong page and

Press MEMORY and then select the correct page and number.



2



က

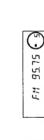


0. 95.75 1111

FH E

ESE.

11



S



- 1 Press SHIFT to select memory page.
- 2 Press PRESET/TIMER + or to select the desired number.

indicator on the display

sufficient signal strength is tuned STEREO: Appears when an FM stereo Appears when a station of TUNED:

program of sufficient signal

strength is received.

Antenna adjustment

大学 のない 一般のないのである

85.75 FM 95.75

11

For AM (MW, LW, and SW) reception, find the best location of the AM loop antenna. For FM reception, adjust the length and direction of the telescopic antenna (FH-B150 and FH-B155 only).

No. Erasing only is not possible, but storing a new Can a previously stored station be erased? station replaces the previous one.

95.75

approximately 1 day even if no power is disconnected, etc.). If they are erased, supplied (e.g. the power cord is The stored stations remain for store the stations again.



Volume Adjustment

Turn VOLUME A clockwise to increase the (Or press VOL + or - on the remote sound level, or counterclockwise to decrease it.

П

Sound Quality Adjustment

commander.)

To reinforce bass

Press DBFB. B

The lower the sound level is, the more the bass is emphasized.

To adjust sound quality to your preference

Adjust the graphic equalizer controls for the right and left speaker outputs individually.

100 Hz: Boost or cut heavy bass.

400 Hz: Adjust the power, spaciousness and warmth of the sound.

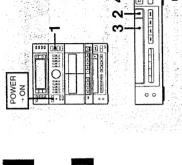
Enhance the brightness of sound, Increase the presence of vocals. or reduce stridency. 1 KHZ: 4 KHZ:

12 kHz: Highlight the fine details of instrumental sound.

To activate surround effect for stereo sound

creates the atmosphere of a movie theater during a stereo sound reproduction. This Press S-SUR (simulated surround) or concert hall.

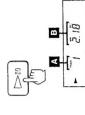
This function is not effective for a monaural sound.



2







4

3

To stop play Press ■.

To stop for a moment during play Press 🖂

To resume play, press it again.

To stop play and open the tray Press ◆ OPEN/CLOSE.

provided with an adaptor, first remove it. Do not put a Place it on the inner circle of the tray. If the disc is To play a 8 cm (3-inch) CD

normal CD (12 cm/5-inch) on top of an 8 cm (3-inch)

The CD player section does not operate. This prevents When the TUNER function is selected interference with radio reception.

Disc Playing

Playing the Entire Disc

Press CD.

m

Press ▲ OPEN/CLOSE to open the tray. 3 Place the disc with the printed side dn

Press ⊠.

The display shows A the track number, B elapsed playing time of the track and track numbers. The tray closes and play starts.

Do not turn up the volume while Caution on adjusting volume

MAX

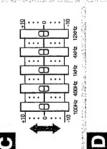
N

m

inputs or no audio signals. If you do, the listening to a portion with very low level speakers may be damaged when a peak level portion is played.

PE T













For personal listening
Connect headphones to HEADPHONES

E.

No sound comes from the speakers.

-10-

Selection — Automatic Music Sensor (AMS)

The AMS locates the beginning of a

This function works during play or pause.

current or preceding selection A-1 To locate the beginning of the

Press I⇔ as many times as required. Keep I∕d pressed to skip selection.

To locate the beginning of a succeeding selection A-2

A-1

Press D∕N as many times as required. Keep D

I pressed to skip selection.

Locating a Particular Point in a Selection

A-2

You can locate any particular point in the disc during play.

Z LE

To search while monitoring the punos

m T

To move forward at high speed B-1 Keep ▶▶ pressed during play and release at the desired point.

Keep ◀◀ pressed during play and release To move backward at high speed B-2 at the desired point.

To search quickly

1 Press Do to set the unit in pause mode.

YE

B-2

Keep ▲▲ or ▶▶ pressed.

The search speed increases, but there is no sound. Find the desired point by Press > U again at the desired point. observing the display.

Information display

As you press TIME, the display changes to To change the time display, press TIME during play.

give you the following information.

Elapsed playing time

Remaining time in a selection. If the current selection number is over 20, "--.--" is displayed.

ø

Remaining time of the disc Ö

When TIME is pressed with a disc in the

The following appear for approx. 5 seconds. tray D

- a Last track number
- Total playing time of the disc
- Track numbers

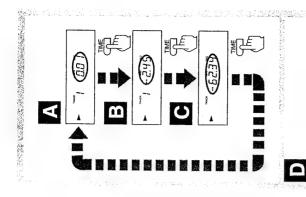
up to 17 appear and the rest do not appear. For discs containing 17 selections or more,

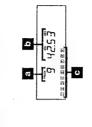
Notes on handling discs E

- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- as there may be a considerable rise in the Do not stick paper or tape on the disc. b or heat sources such as a hot air duct, or Do not expose the disc to direct sunlight leave it in a car parked in direct sunlight

Ш

After playing, store the disc in its case.















Disc Playing

Playing in a Random Order -Shuffle Play

Shuffle play function plays all the selections in a random order.

- 1 Press ▲ OPEN/CLOSE to open the tray.
- Place the disc.
- Press ▲ OPEN/CLOSE to close the က
- 4 Press SHUFFLE. SHUFFLE appears.
- 5 Press DIII.

To stop playing Press ■.

SHUFFLE disappears, and play continues in the normal play mode. To cancel shuffle play Press CONTINUE.

Repeat Playing Repeatedly Play

Press REPEAT once during play so that To repeat all selections REPEAT appears.

desired section so that REPEAT 1 appears. Press REPEAT twice while playing the To repeat single section B

2.56 ©

255

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Press REPEAT so that neither REPEAT nor To cancel repeat play 🖸

9-4253 ** 2,4,5 3,5 X POWER ¥ S 9

Insert the disc.

35

selections in the order you want them to be

played.

You can make a program for up to 24

Playing in a Desired Order —

Press PROGRAM. PGM appears in the display.

3 Press I≺≺ or ▷▷』 to display the desired selection.

Press PROGRAM.

5 Repeat steps 3 and 4 for the desired selections.

Last programmed selection A B O

Fotal playing time of selections

Programmed selection numbers

4INSSE

3

6 Press ⊳m.

To stop playing

To restart the same program play, press ⊠0. Press .

> 10

To resume normal play

The program is erased and the play continues in the normal play mode. Press CONTINUE.

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If "--, --" is displayed instead of the actual time

- You have programmed a selection number over 20.
- The total time has exceeded 100 minutes.

To check your program

- Press ▷ to enter the pause mode.
- As you press DDI, the track numbers appear in the order in which they are programmed. Press □□.

once. If you press it twice, the program When you finished checking, press once. (Be sure that you press only will be erased.)

To add a selection to the end of the program

Follow the same procedure as "Playing in a Desired Order" while the unit is in the stop mode.

You cannot add selections during play.

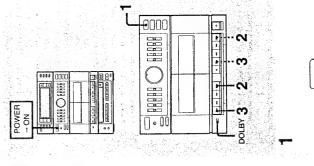
To erase the entire program

Press
once during stop; twice during

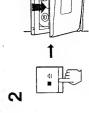
The program is also erased when you press ♣ to open the tray or furn off the system. play.

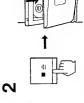
To check the remaining time

selection being played; twice to see the total remaining Press TIME once to see the remaining time of the time of the programmed selections; once more to return to the initial display.









AF

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When listening to a cassette recorded with Dolby

What is the Dolby NR system? Set DOLBY NR to ON.

Dolby NR (noise reduction) system reduces tape hiss noise in low-level high-frequency signals. The system boosts these signals in recording and lowers them in playback.

"DOLBY" and double-D symbol DD are trademarks Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. of Dolby Laboratories Licensing Corporation.

Playback Operation

TAPE appears in the display. Press TAPE.

2 Insert the tape.

3 Depress ⊳.

To stop playback Press noise reduction system*

—13—

Playing from Deck A to B in

has been played back, the front side of the When the front side of the tape in deck A tape in deck B starts playback automatically.

- 1 Insert recorded cassettes in both decks.
- 2 Depress ▷ on deck A.
- 3 Depress ▷ on deck B.

Press 🖀 📤 of the deck playing. To stop relay play

Notes on Cassettes

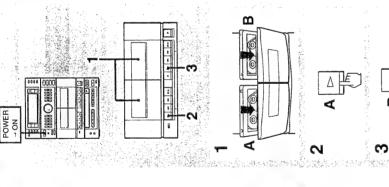
To protect recording A

Break off the tab on the left side of the cassette whose recording is to be protected.

To re-record the cassette B

Cover each slot with plastic tape.

careful not to cover the detector slots which When using a TYPE II (CrO2) cassette, be are necessary for automatic tape type detection. C



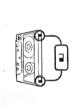






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C

Use only TYPE I (normal) or TYPE II (CrOz) tapes for recording.

- 1 Insert a tape in deck B.
- The display shows the selected program Select program source with the function selectors and play it. source.

To use the Dolby NR system, set Otherwise, set it to OFF. DOLBY NR to ON. Set DOLBY NR. က

†

⊕ E

⇒ is depressed at the same time. Recording starts. 4 Depress ●.

CD TUNER

- To stop recording Press ■ ♣.
- · Graphic equalizer controls are not effective for recording.
- · The recording level is fixed and cannot be adjusted manually.

DOLBY NA OFFI-ON

က

 Depress II after step ▷ in "Recording How to start recording precisely Operation" above.

4

- > is depressed at the same time.
- Press II again at the desired point.

If whistling noise is heard during MW and LW

rear to the position depending on which best reduces Slide the ISS (Interference Suppress Switch) at the (only for the European and UK model)

Editing the CD for Recording

selections on a CD according to the tape The CD player automatically edits the length. Insert the tape in deck B and the disc in the CD player.

DOLBY NR to ON. Otherwise, set it to Set DOLBY NR.
To use the Dolby NR system, set

3 Press CD of the function selector.

Press EDIT. 4

Make sure that EDIT and ---- appear in the display.

using ▶▶ and ▲▲, or ▷▷ and [▷△. Designate the tape length of one side As you press ▶▶ or ▲▲, the minute 23 ↔ 27 ↔ 30 ↔ 37 ↔ 45 ↔ -display changes as follows: Ŋ

As you press ▷▷¹ or I▷□, the seconds the seconds show 00 and the minutes increase or decrease by 10. After 50, increase by 1.

Press EDIT. ဖ

Then the display shows A the last selection to be recorded, B total playing time, and C selections to be recorded. determined automatically. For details, The selections to be recorded are see page 50.

Depress .

 \triangleright is depressed at the same time.

8 Press ⊳ on the CD player. The recording starts. • Up to 20th selection on the disc can be recorded. The 21st selection cannot be recorded.

To record desired selections on the

Before pressing EDIT, program the desired

front side

selection. (See page 38.)

10

During pause, take out the cassette and reverse it. Then set the cassette deck in

the recording mode and restart the CD

playback.

reverse side and then proceed with the

After step 6, press EDIT again for the

To record on both sides

The CD player enters the pause mode

remaining steps.

after recording on the front side.

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exceeds the specified tape length, the last

selection is eliminated. Then, the CD

playing time. When the total playing time

player looks for a selection whose length

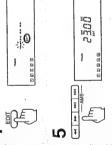
substitutes it for the eliminated one. fits within the remaining tape and

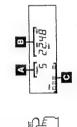
The CD player selects the selections from

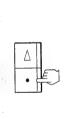
the first one on the CD, adding up each

How the CD player determines the

selections A











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 In step 5, designate the total playing time shorter than the tape length.

ape Dubbing

Editing the Tape

- 1 Press TAPE of the function selector.
- 2 Insert the recorded tape in deck A and the blank tape in deck B.
- 3 Locate the beginning of the portion to be dubbed on deck A, using ▲▲ or When dubbing the whole side of the ▶▶ and then stop the tape. tape, skip this step.
- Depress . 4

⇒ is depressed at the same time.

Dubbing of the desired portion starts. Press ⊳.of deck A. S

To stop dubbing
Press ■ ♠ on both decks.

Yes. Set DOLBY NR according to the playback tape. Is it necessary to set DOLBY NR?

Is it possible to listen to program sources other than tape during dubbing?

No. The source changes to that of the function selector pressed and the tape playback cannot be dubbed.

automatically so that you can wake up to The power can be turned on and off music, etc.

Recording or tape playback cannot be activated by the timer.

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9000

2,3,4,5

JE.

The preset timer-on and -off time remain until you reset them or the power cord is disconnected.

Before setting the timer

 Make sure the clock is set correctly. (See page 20.)

Timer Setting

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The illustrations show an example in which the system turns on at.9:30 and off at 10:15.

TIMER ON appears and a figure indicating the hour flashes. Press TIMER SET.

Set the hour and minute of the timeron time with PRESET/TIMER + or -, and NEXT.

Set the hour and minute of the timeroff time with PRESET/TIMER + or -, indicating the hour flashes. က

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重量

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O

Select the program source with The program source flashes. and NEXT.

As you press + or -, the source PRESET/TIMER + or -. TUNER ← CD changes:

10:15

E

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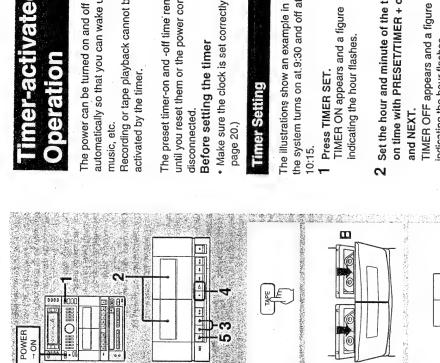
E E S

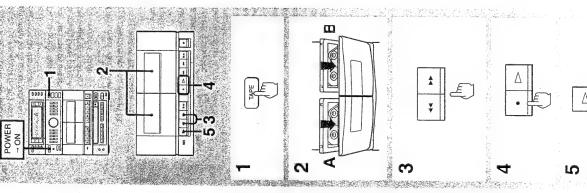
5 Press NEXT.

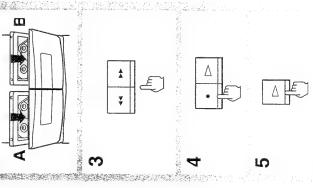
preset station (see page 28), inserting 6 Prepare for the source; selecting a

Press POWER to turn off the system. At the timer-on time, the system turns Make sure that TIMER is on. on automatically.

Operation











To change the time and program

- The timer-on hour flashes. 1 Press TIMER SET.
- 2 Press NEXT until the item to be changed flashes.
- 3 Press PRESET/TIMER + or until the desired time or source appears.
- The display, then shows TIMER OFF Press NEXT until TIMER ON time appears. 4

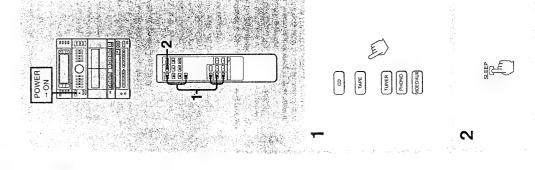
time, and returns to the previous

display.

Press TIMER CONTROL to turn off TIMER. When you do not want to operate To reactivate the timer, press TIMER CONTROL to display TIMER. the timer program

The function mode will be automatically changed to the When the power is already on at the preset time preset one, even if you are playing a program of another function.

ന



By setting the sleep timer, the system power can be turned off after the preset duration.

2,4

000

9000

(Possible only with the remote commander)

- 1 Play the desired program source.
- 2 Press SLEEP to select the desired As you press SLEEP, the indication duration in minutes. changes as follows:

\$ SE

2

90 + 80 + ... 10 +

For tape playback, be sure to select a duration longer than the tape length. To turn off the system before the preset time of the sleep timer Press POWER.

· 新日本村の時になるなるであるとなっている

4

Press SLEEP once, and the remaining time To check the remaining time of the The display returns to the previous indication after several seconds. sleep timer

4

Cleaning the Heads and the Tape Paths A

Clean after every 10 hours of operation and before recording for optimum record/ playback quality.

- 1 Press ♣ to open the cassette holders.
- Slightly moisten the tip of a cotton swab with cleaning fluid or alcohol.
- 3 Wipe the parts shown in the illustration:

 - Capstan
 Record/playback head
 Erase head

m

d Pinch roller

Do not insert a cassette until cleaned areas are completely dry.

the heads using any commercially available After 20 to 30 hours of use, it is necessary to remove residual magnetism built up on demagnetizer.

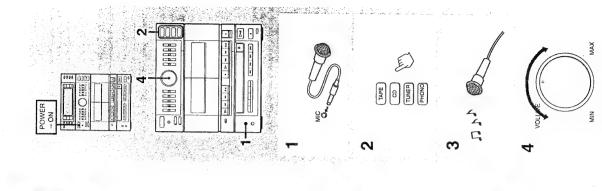
For the demagnetizing procedure, refer to the instruction manual of the demagnetizer.

thinner, commercially available cleaners, or When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the Do not use solvents such as benzine, center out.

anti-static spray intended for analog discs.

Cleaning the Cabinet

Use a soft cloth slightly moistened with mild detergent solution.



Mixing Operation

- Connect the microphone to MIX MIC
- 2 Select program source with the function buttons and play it.
- 3 Sing or speak into the microphone.
- 4 Adjust the total volume.

Be sure to disconnect the microphone. When the mixing is over

with a Source

- Mix the sound as described above.
 - Insert a tape in deck B.
- Set deck B to record mode.

Recording from a Microphone

- Press CD.

- ▷ is depressed at the same time. Recording starts.

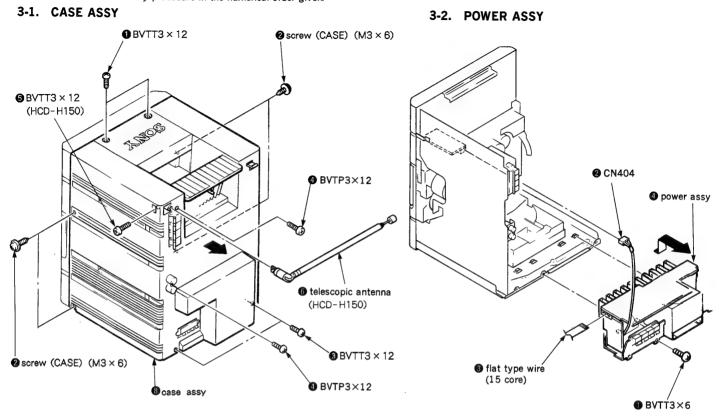
Placing the microphone too close to the speakers may cause howling. Move the microphone away from the speakers or change the direction it faces. To stop howling (acoustic feedback)

- Press of the CD player. Insert a tape in deck B.
 - Depress

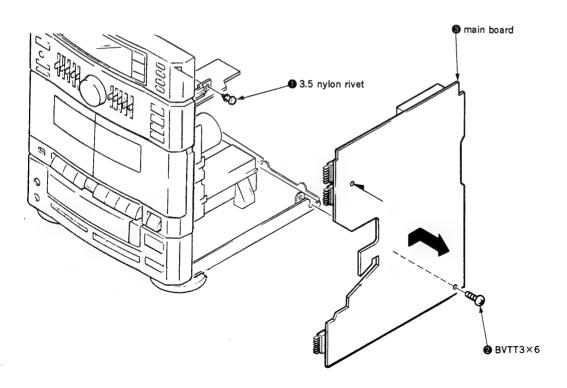
 .
- Speak or sing into the microphone.

SECTION 3 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

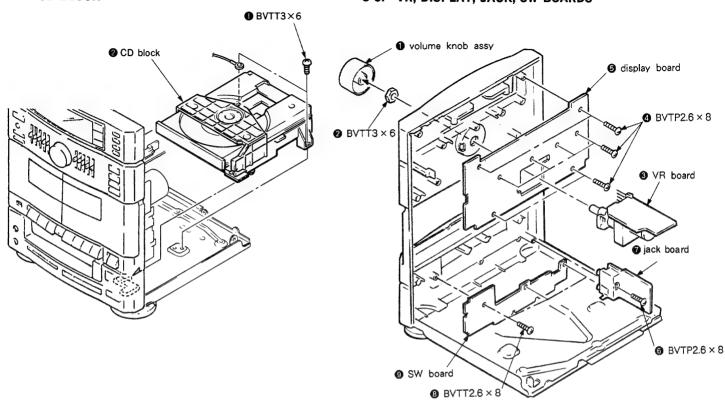


3-3. MAIN BOARD

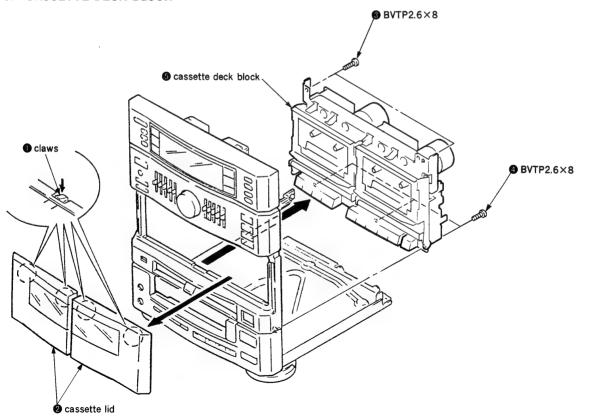


3-4. CD BLOCK

3-6. VR, DISPLAY, JACK, SW BOARDS



3-5. CASSETTE DECK BLOCK



SECTION 4 MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured alcoholmoistened swab:

record/playback head

pinch roller

erase head

rubber belt

capstan

idler

2. Demagnetize the record/playback head with a head demagnetizer.

(Head demagnetizer do not approach for the erase head.)

- 3. Do not use a magnetized screwdriver for the adjustment.
- 4. After the adjustments, apply suitable locking compound to the parts adjusted.
- 5. The adjustment should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

	Torque meter	Meter reading
Forward	CQ-102C	35 to 60 g⋅cm
REV	RB	(0.49 to 0.83 oz · inch)
Forward back tension REV	CQ-201C	2.5 to 4.5 g·cm (0.035 to 0.062 oz·inch)
FF	CQ-102C	75 to 150 g·cm (1.04 to 2.08 oz·inch)

Note:

EE : Germany model : TOURIST model EA JΕ

: East European model : Saudi Arabia model

: Italian model AUS: Austrian model

CND : Canadian model

SECTION 5 ELECTRICAL ADJUSTMENTS

DECK SECTION

- The adjustment should be performed in the publication. (Be sure to make playback adjustment at first.)
- 2. The adjustment and measurement should be performed for both L-CH and R-CH.
 - Switch position

DOLBY NR switch: OFF

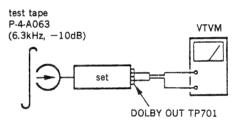
Test Tape

Tape	Contents	Use
P-4-A063 WS-48A P-4-L300	6.3kHz, - 10dB 3kHz, 0DB 315Hz, 0DB	Head Azimuth Adjustment Tape Speed Adjustment Playback Level Adjustment

Record/Playback Head Azimuth Adjustment

Procedure:

1. Mode: playback DECK B DECK A



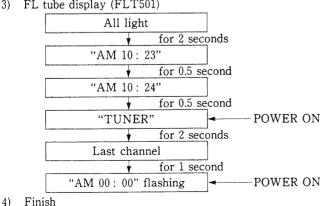
• Timer Test Mode

When BAND, SHIFT and PRESET/TIMER+buttons are pressed at the same time the following time test operation is performed. After the operation, it becomes in the system reset mode. Take care that the frequency preset to the tuner is initialized.

1) POWER OFF

Timer set Clock AM10: 23 Timer ON AM10: 24 Timer OFF AM10: 31 Function TUNER

3) FL tube display (FLT501)



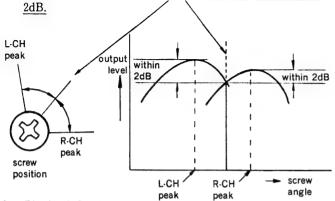
• Preset Frequency in Restting

When pressing the system reset button (S701) of the rear side of the unit, the following frequency is preset to the tuner part. When the system reset is performed in repairing, be sure to return to the frequency set by the user.

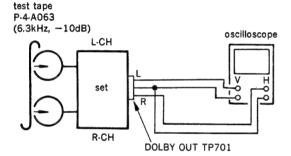
	FM		US, Canadian model MW tuning interval: 10k (9k)		AEP, UK, G, EE, model (): IT model		
1112			AM		MW		LW
Al	87.5MHz	A6	530(531)kHz	A6	531(522)kHz	B1	153(144)kHz
A2	88.0MHz	A7	620(621)kHz	A7	603kHz	B2	162kHz
A3	98.0MHz	A8	1050(1053)kHz	A8	999kHz	B3	216kHz
A4	106.0MHz	A9	1490(1485)kHz	A9	1404kHz	B4	270kHz
A5	108.0MHz	A10	1710kHz	A10	1602(1611)kHz	B5	279(288)kHz

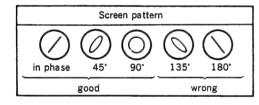
EM		E, EA, AUS, JE model MW tuning interval: 9k (10k)			
	FM		MW SV		sw
A1	87.5MHz	A6	531(530)kHz	B1	5.95MHz
A2	88.0MHz	A7	603(620)kHz	B2	7.00MHz
A3	98.0MHz	A8	$999(1050)\mathrm{kHz}$	B3	12.00MHz
A4	106.0MHz	A9	1404(1490)kHz	B4	17.00MHz
A5	108.0MHz	A10	1602(1710)kHz	B5	17.90MHz

Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within



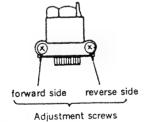
Playback Mode





- 4. Change the review playback mode and repeat the steps 1
- 5. After the adjustment, lock the adjustment screw with suitable locking compound.

Adjustment Location:



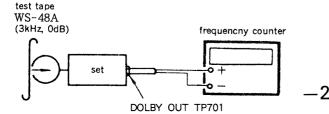
Tape Speed Adjustment | DECK A

DECK B

Procedure:

• Perform high speed adjustment before normal speed adjustment.

Mode: playback



Speed checker	Digital frequency counter	
±1%	2,970 to 3,030Hz	

Frequency difference between the begining and the end of the tape should be within 1% (30Hz).

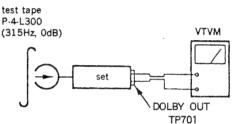
Adjustment Location: motor deck A: M1 deck B: M2 adjustment resistor

Playback Level Adjustment | DECK A

DECK B

Procedure:

Mode: playback



Deck A is RV601 (L-CH), and RV651 (R-CH), deck B is RV611 (L-CH), and RV661 (R-CH) so that adjustment within adjustment level as follows.

Adjustment Level:

DOLBY OUT level: -5.7 ± 0.5 dBs

Level Difference between Channels: within 1dB

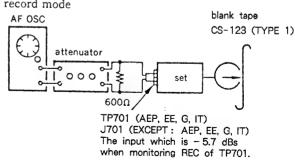
Confirm the DOLBY OUT level does not change in playback mode while changing the mode from playback to stop several times.

Adjustment Location: main board

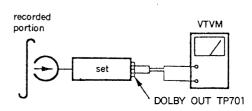
Record Level Adjustment | DECK B

Procedure:

record mode



playback mode



Confirm playback the signal recorded in step 1 become adjustment level as follows.

If these levels do not adjustment level, adjustment the RV721 (L-CH) and RV722 (R-CH) to repeat step 1 and 2

Adjustment Level:

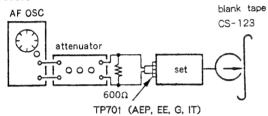
DOLBY OUT level: -25.7 ± 1.0 dBs

Adjustment Location: main board

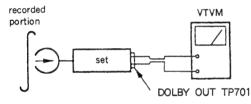
Record Bias Adjustment DECK B

Procedure:

1. record mode



J701 (EXCEPT: AEP, EE, G, IT)
The input which is -5.7 dBs
2. playback mode when monitoring REC of TP701.



Confirm playback the signal recorded in step become adjustment level as follows.

If these levels do not adjustment level, adjusment the RV701 (L-CH) and RV751 (R-CH) to repeat step 1 and 2.

Adjustment Level:

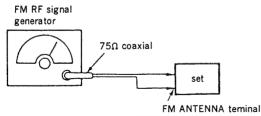
DOLBY OUT level: $-25.7 \pm \frac{10}{0.5}$ dBs

Adjustment Location: main board

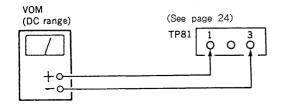
TUNER SECTION

FM SECTION ADJUSTMENTS

Setting:



Carrier frequency: Modulation: 98MHz ($60dB\mu:1mV$) 1kHz, 75kHz deviation (EXCEPT:G,IT) 1kHz, 40kHz deviation (G,IT)



FM Discriminator Alignment (NULL Check)

Band: FM

Procedure:

- 1. Supply a $60dB\mu$ (1mV) 98MHz signal from the ANTENNA terminal.
- 2. Tune the to 98MHz.
- 3. Adjust IFT82 for 0V reading on the VOM.

Note: FM tuned indication lighting level adjustment should be made after FM discriminator alignment.

FM Tuned Indication Lighting Level Adjustment

Band: FM

Procedure:

- 1. Supply a $23\pm2\text{dB}\mu$ (14.1 \pm 1.2 μ V) (EXCEPT : G, IT), $20\pm2\text{dB}\mu$ (10 \pm 1.2 μ V) (G, IT) 98MHz signal from the ANTENNA terminal.
- 2. Tune the set to 98MHz.
- 3. Adjust RV81 so that the TUNED light up.

Adjustment Location: main board (See page 24)

AM SECTION ADJUSTMENTS

Setting: loop antenna B

AM RF signal generator set

30% amplitude (94dB μ) modulation by 400Hz signal

MW (AM) Tuned Indication Lighting Level Adjustment

Band: MW or AM

Procedure:

- 1. Set loop antenna A so that the loop antenna B input level become $55dB\mu \pm 4dB\mu$ (0.36~0.89mV).
- 2. Tuned the seto to 1,404kHz (EXCEPT: US, CND), 1.490kHz (US, CND).
- 3. Adjust the RV82 so that the TUNED light up.

SW OSC Voltage Adjustment (E, Saudi Arabia, Australian, JE model)

Band: SW

Procedure:

- 1. Connect the VOM to TP (OSC).
- 2. Tune the set to 5.95MHz.
- 3. Adjust T2 for 0.9 to 1.1V reading on the VOM.
- 4. Tune the set to 17.90MHz.
- 5. Adjust CT22 for 8.3 to 8.7V reading on the VOM.

SW Tracking Adjustment

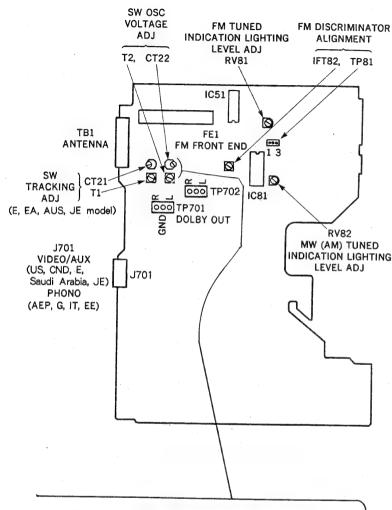
(E, Saudi Arabia, Australian, JE model)

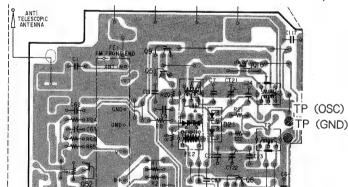
Band: SW Procedure:

- 1. Connect the VOM to speaker terminal.
- 2. Adjust for a maximum reading on VTVM.

Signal generator and set frequency	Adjustment part
7.0MHz	T1
17.0MHz	CT21

Adjustment Location: main board -component side-





Note: JE : Tourist model

CND: Canadian model EE: East European model

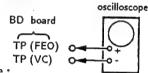
EA: Saudi Arabia model AUS: Australian model G: Germany model IT: Italian model

CD SECTION

Note:

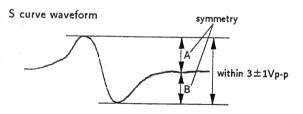
- 1. CD Block basically constructed to operate without adjustment. Therefore, check each item in order given.
- 2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
- 3. Use the oscilloscope with more than $10M\Omega$ impedance.
- 4. Clean an object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

S Curve Check



Procedure:

- Connect oscilloscope to test point TP (FEO) on BD board.
- Connect between test point TP (FES) and TP (VC) by lead wire.
- Turned Power switch on and actuate the focus serch. (actuate the focus serch when disc table is moving in and out.)
- 4. Check the oscilloscope waveform (S curve) is symmetrical between A and B. And confirm peak to peak level within 3±1Vp-p.

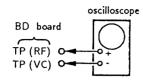


5. After check, remove the lead wire connected in step 2.

Note: • Try to mesure several times to make sure that the ratio of A: B or B: A is more than 10:7.

 Take sweep time as long as possible and light up the brightness to obtain best waveform.

RF Level Check

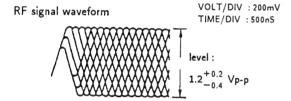


Procedure:

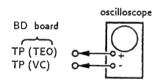
- 1. Connect oscilloscope to test point TP (RF) on BD board.
- 2. Turn Power switch on.
- 3. Put disc (YEDS-18) in and playback.
- 4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

Note:

Clear RF signal waveform means that the shape "\$\rightsq" can be clearly distinguished at the center of the waveform.



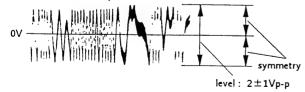
E-F Balance Check



Procedure:

- Connect test point TP (ADJ) to ground and TP (TES) to TP (VC) with lead wire.
- Connect oscilloscope to test point TP (TEO) on BD board.
- 3. Turn Power switch on.
- 4. Put disc (YEDS-18) in and playback.
- 5. Confirm that the osilloscope waveform is symmetrical on the top and bottom in relation to 0V, and check this level.

Traverse oscilloscope

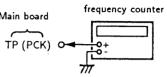


6. Remove the lead wire connected in step 1.

RF PLL Free-run Frequency Check

Procedure:

1. Connect frequency counter to test point (PCK) with lead wire.



- 2. Turn Power switch on.
- Confirm that reading on frequency counter is 4. 3218MHz.

Focus/Tracking Gain

This gain has a margin, so even if it is slightly off. There is no problem.

Therefore, do not perform, this adjustment.

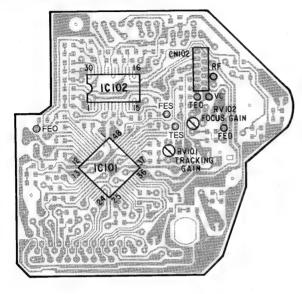
Please note that it should be fixed to mechanical center position when you moved and do not know original position.

SECTION 6 DIAGRAMS

Adjustment Locations:

BD board - conductor side -

main board — conductor side —



[MAIN BOARD]

IC202

IC201

DTA144ES DTC114ES DTC143TS

DTA114ES

2SC2603-EF 2SC2724-CD 2SC3622A-LK



DTC114TS DTC144ES

2SA1175-HFE



DTC144EK 2SB1094-LK 2SD2012



2SC3112-B 2SD1387 2SD1616A-K



6-1. SEMICONDUCTOR LEAD LAYOUTS





2SK246-GR3 2SK246-Y



HZSB1L HZS7B3L UZ-4.7BSC UZL-9HI 1N4148M 155120

11ES2



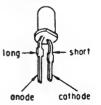
RBA-402



UZP-5.1BC

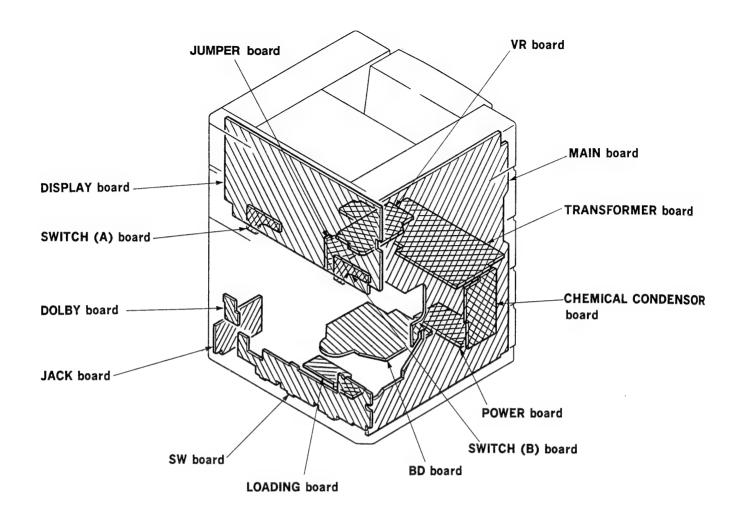


SEL2810A





6-2. CIRCUIT BOARDS LOCATION



· Semiconductor Location

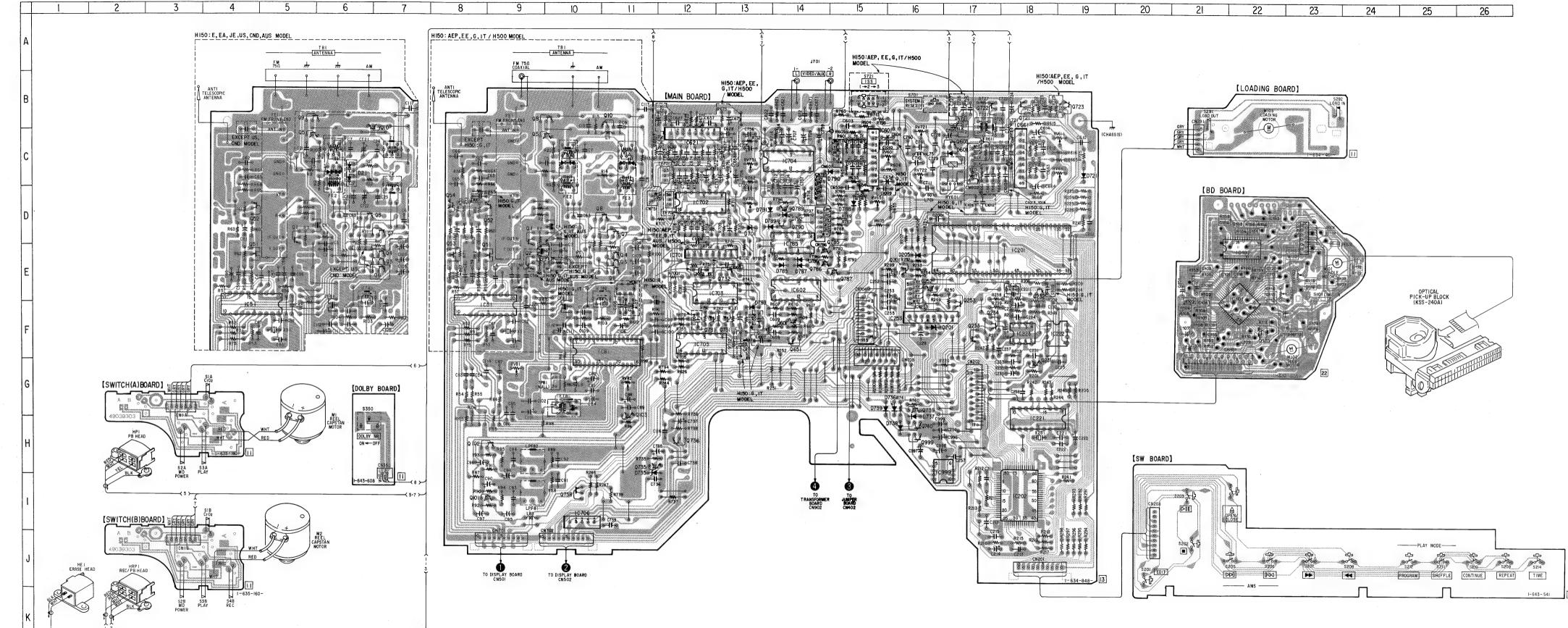
Semiconductor Location					
Ref. No.	Location	Ref. No.	Location		
D21 (*1) D201 D205 D601 D701 D721 D735 D736 D737 D738 D739 D785 D786 D787 D788 D789 D789 D789 D789 D790 D791 D792	######################################	04(*2) 05(*1) 05(*2) 06(*1) 06(*2) 07(*2) 08(*1) 08(*2) 09(*1) 09(*2) 010(*1) 010(*2) 051(*3) 051(*2) 052(*3) 052(*2) 053(*2) 0101(MD) 0101	D-4 B-5 B-9 E-16 D-16 D-16 D-15 B-9 B-10 D-4 B-17 C-7 C-7 F-8		
IC51 (*3) IC51 (*2) IC81 IC101 IC102 IC202 IC202 IC223 IC223 IC601 IC602 IC661 (*2) IC661 IC701 IC702 IC704 IC705 IC706 IC785 IC999 01 (*1) 01 (*2) 02 (*4) 03 (*3) 03 (*2) 04 (*3)	E-4 E-21 E-21 E-21 E-17 E-18 E-17 E-17 E-17 E-17 E-17 E-17 E-17 E-17	0101 0102 0103 0201 0231 0232 0233 0234 0252 0253 0601 0603 0651 0721 0722 0723 0731 0732 0738 0738 0738 0739 0740 0781 0785 0786 0787	-8 -8 -15 -17 -17 -16 -17 -16 -17 -16 -17 -17 -17 -17 -17 -17 -17 -17		

- (* 1): Used on H150; E, EA, JE, AUS model.
- (* 2): Used on H150; AEP, EE, G, IT/H500 model.
- (* 3): Used on H150; E, EA, JE, US, CND, AUS model.
- (* 4): Used on H150; G, IT model.

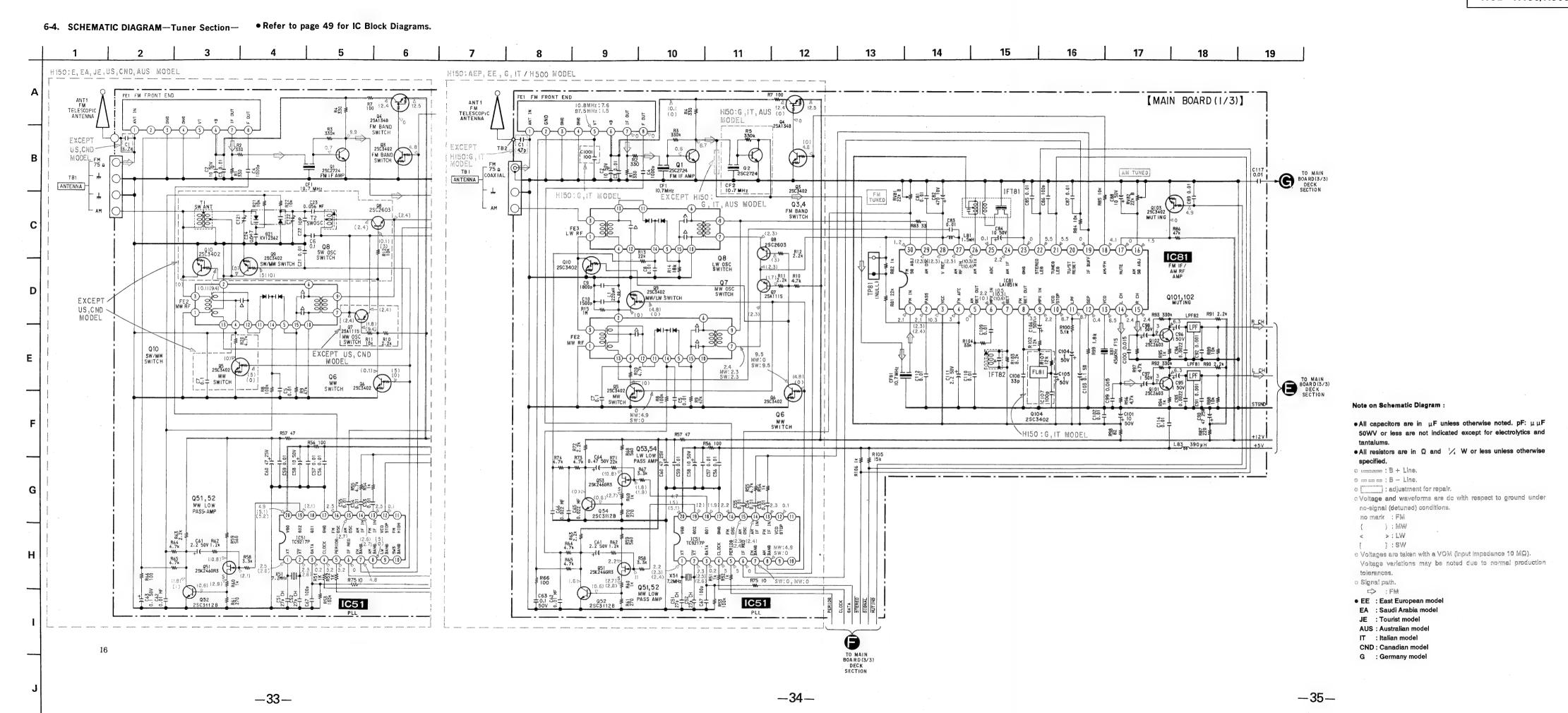
- o----: Parts extracted from the component side.
- Parts extracted from the conductor side.
- : Indicates side identified with part number.
- : Through hole. : Pattern on the side which is seen.
- Pattern of the rear side.
 EE : East European model
 EA : Saudi Arabia model

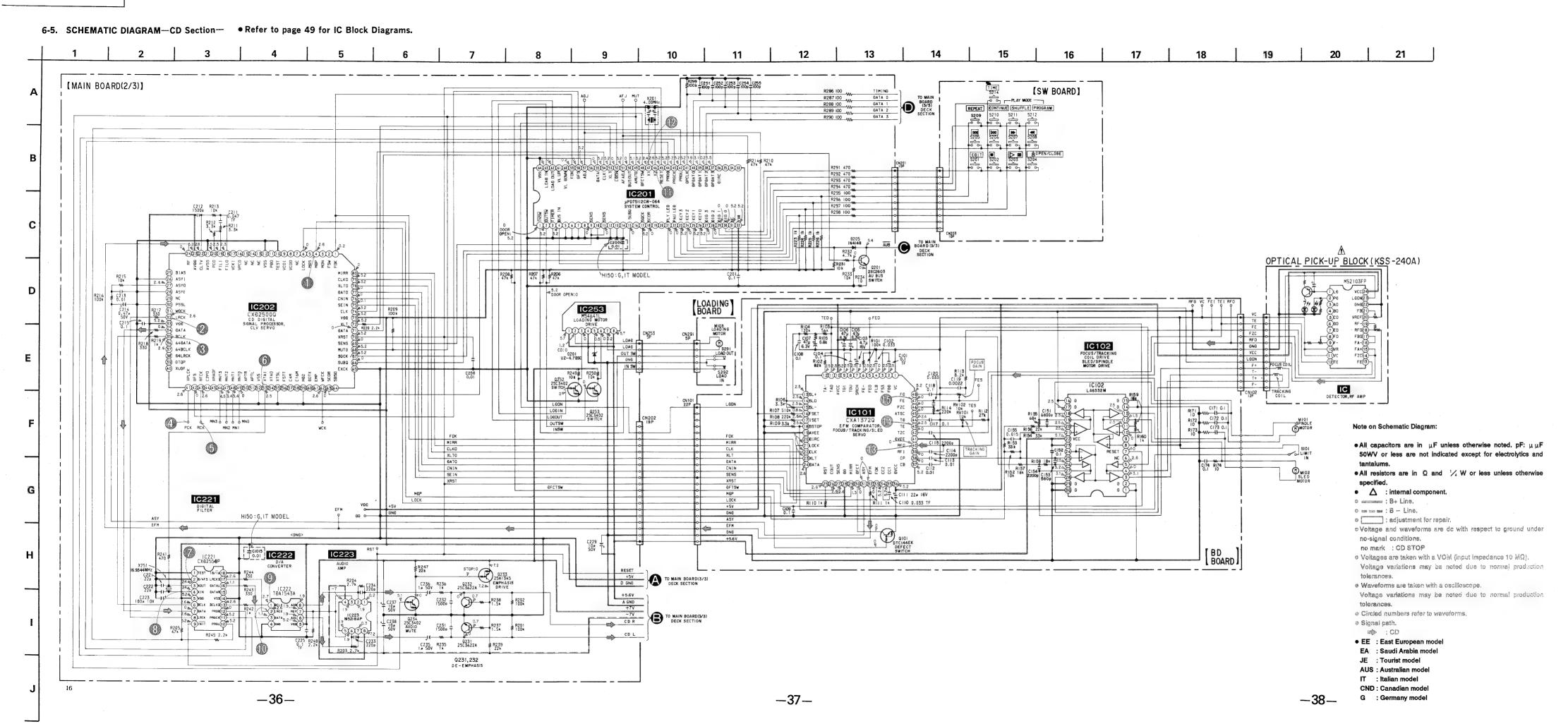
- JE : Tourist model
 AUS : Australian model
- IT : Italian model
- CND : Canadian model G : Germany model

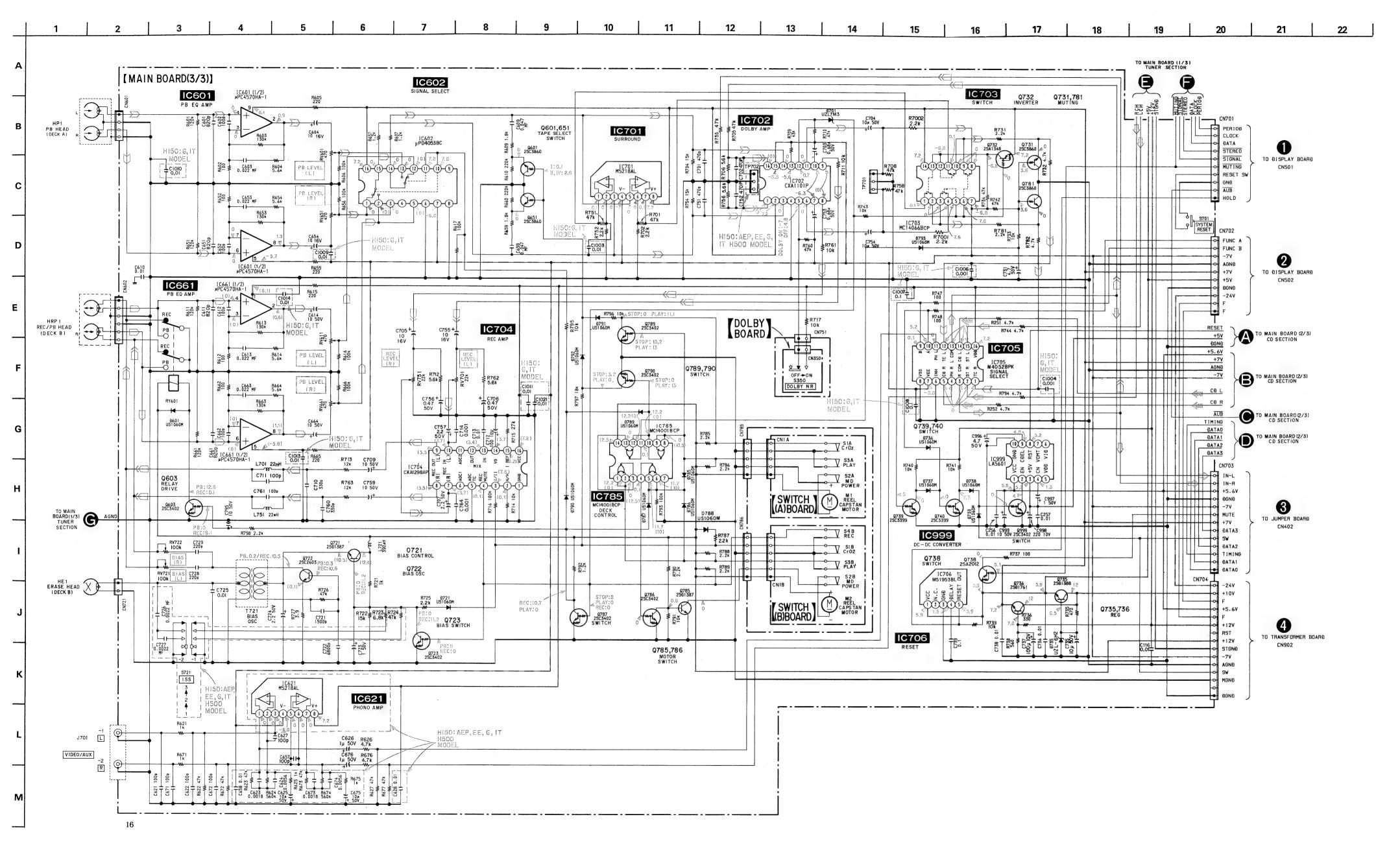
6-3. PRINTED WIRING BOARDS — Tuner /CD/Deck Section — • Refer to page 26 for Semiconductor Lead Layouts.

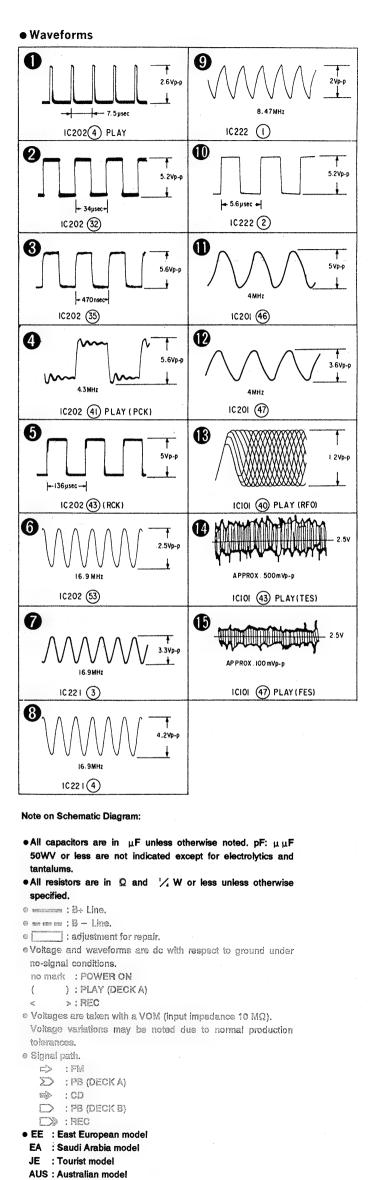


—31—

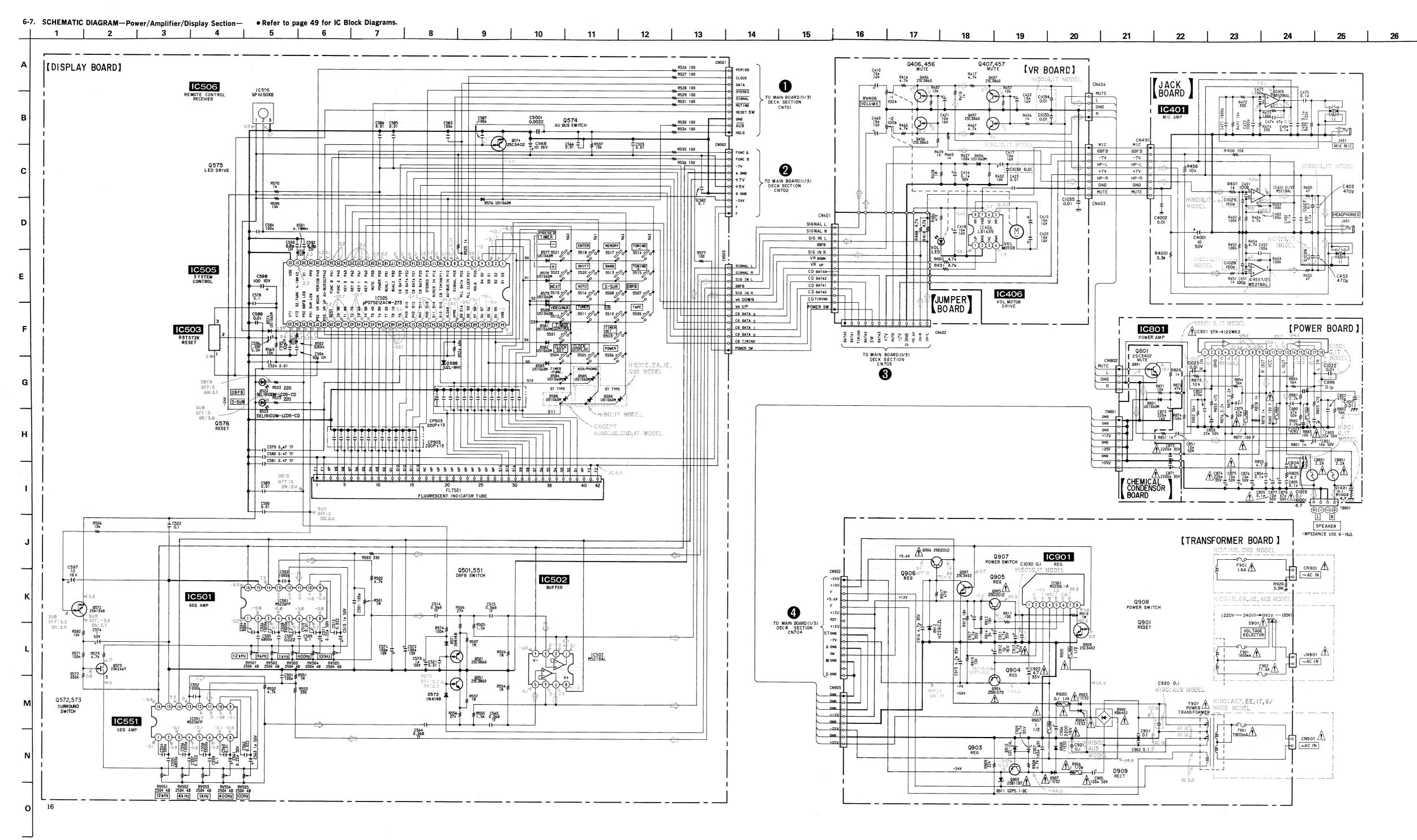








IT: Italian model
CND: Canadian model
G: Germany model



· Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D406 D522 D523 D571 D572 D574 D576 D577 D578 D579	F-13 E-2 E-2 E-5 E-5 H-8 H-5 G-7 H-7 H-7	IC401 IC406 IC451 IC501 IC502 IC503 IC505 IC506 IC551 IC801 IC901	I-13 G-13 J-13 E-3 E-8 G-6 G-4 F-2 F-6 D-14 C-7
D581 D582 D583 D584 D585 (*1) D588 (*3) D599 (*1) D598 D801 D903 D904 D907 D908 D909 D910 D911 D912	H-7 H-6 H-62 H-33 H-7-14 C-5-5 C-5-8 C-68 C-68	0406 0407 0456 0457 0501 0551 0572 0573 0574 0801 0903 0904 0905 0906 0907	G-13 H-14 G-13 G-14 E-5 E-6 G-2 G-4 H-4 C-10 C-6 D-7 D-8 C-8 C-7
(* 1) · le	ed on H	150 · F FA	IF ALIS

- (* 1): Used on H150; E, EA, JE, AUS model.
- (*2): Used on H150; IT model.
- (*3): Used on except H150; US, CND, IT model.

Note on Schemati

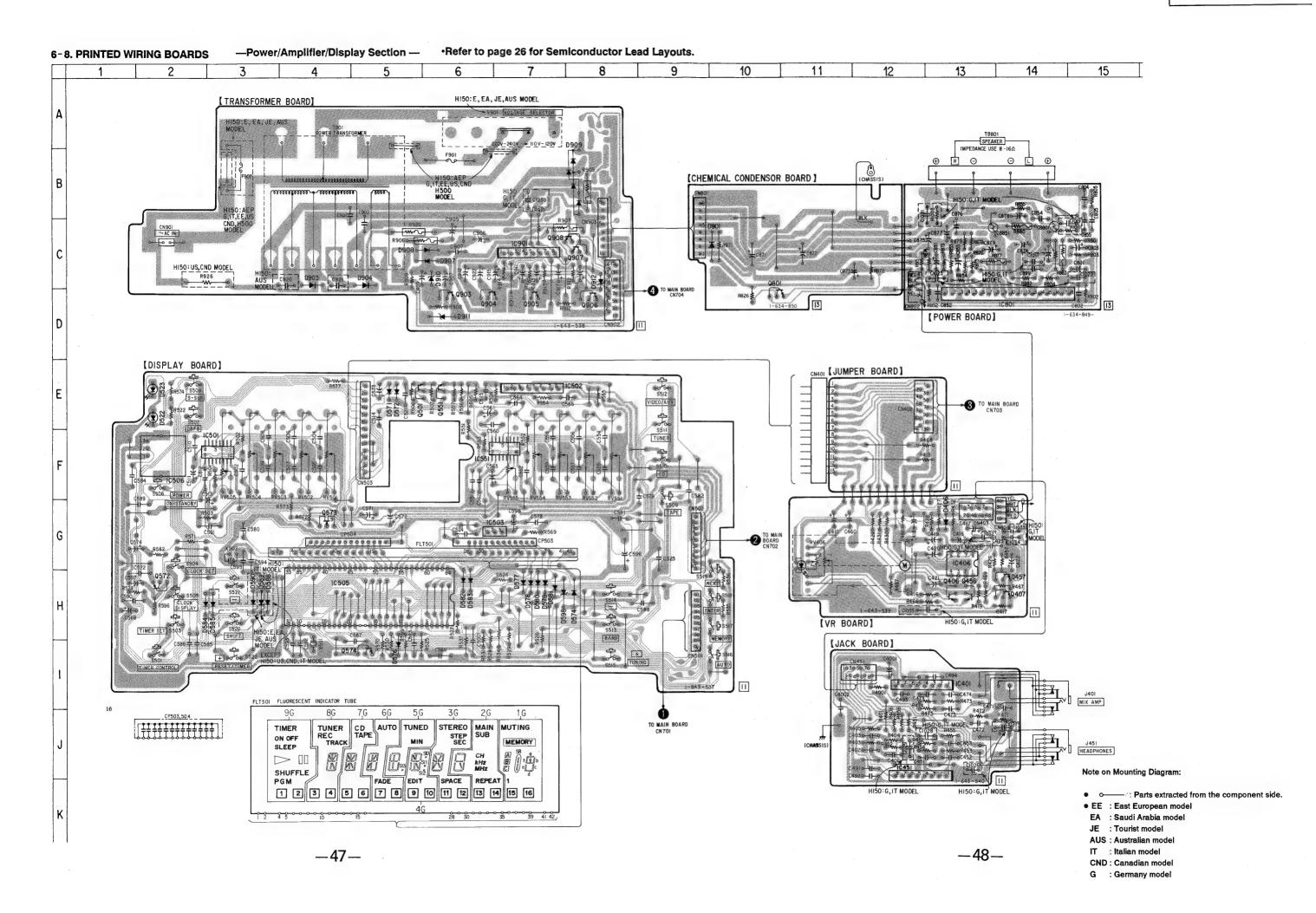
- •All capacitors are in μF unless otherwise noted. pF: $\mu \, \mu F$ 50WV or less are not indicated except for electrolytics and tantalums.
- specified.

•	+m~	: TUSIDIE

une marque A sont c pour la sécurité. Ne les remplacer que p pièce portant le numéro fie.

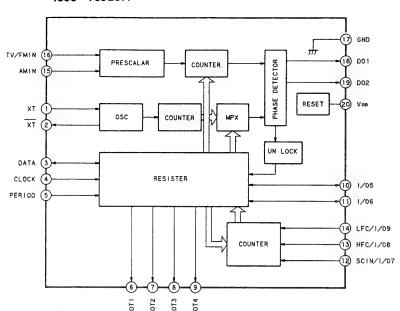
- memore : B+ Line. • memore : B - Line.
- Voltage and waveforms are do with respect to ground under no-signal (detuned) conditions.
 no mark : POWER ON ;
- \circ Voltages are taken with a VOM (input impedance 10 M Ω). Voltage variations may be noted due to normal production
- tolerances,
- Waveforms are taken with a oscilloscope.
- Voltage variations may be noted due to normal production tolerances.
- Signal path.
- EE : East European model
- EA : Saudi Arabia model
- JE : Tourist model AUS : Australian model
- IT : Italian model
 CND : Canadian model
- G : Germany model

-43-

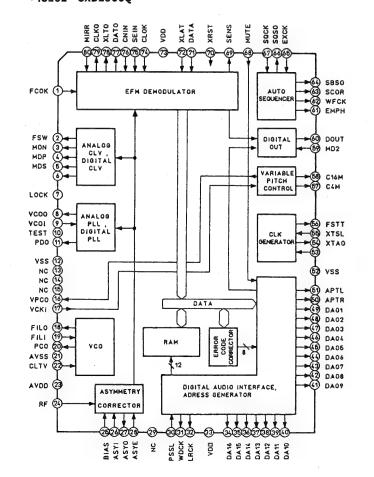


● IC Block Diagrams

• IC51 TC9217P



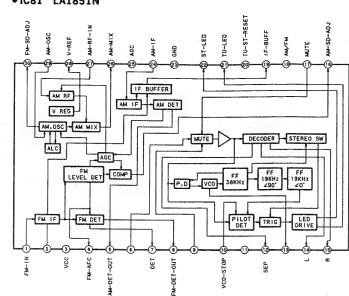
• IC202 CXD2500Q



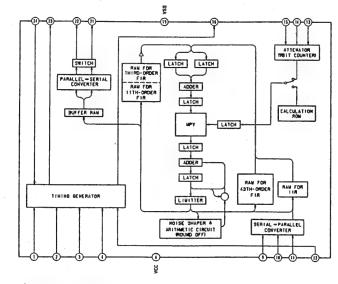
●IC223 M5218AP



• IC81 LA1851N

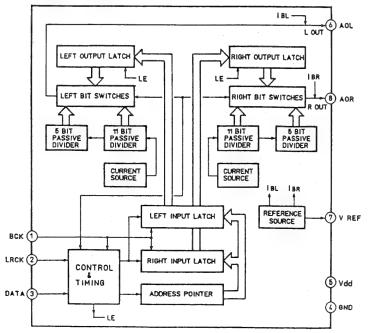


• IC221 CXD2554P

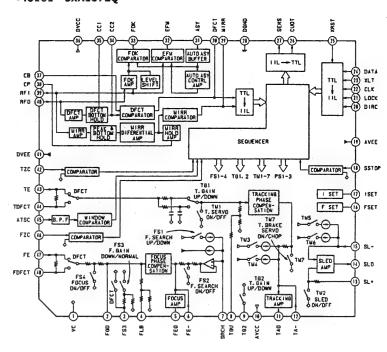


•IC222 TDA1543A

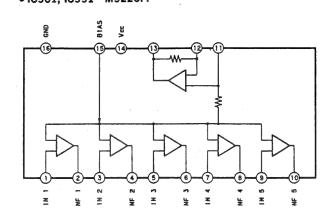
-49-



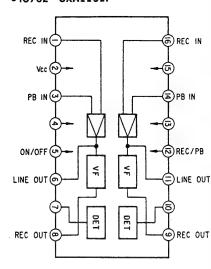
• IC101 CXA1372Q



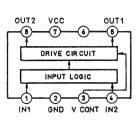
• IC501, IC551 M5226FP



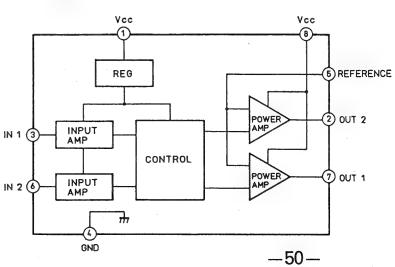
● IC702 CXA1101P



• IC406 LB1639

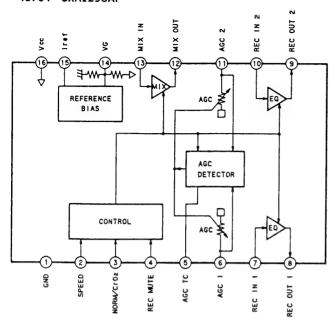


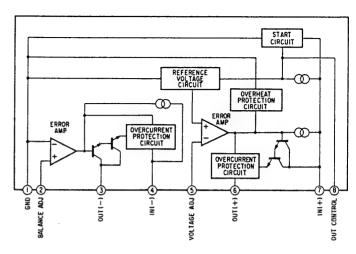
• IC253 M54641L



•IC704 CXA1298AP

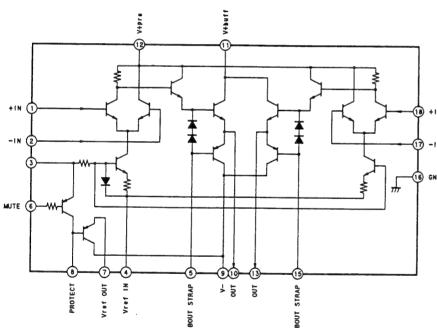
• IC901 M5230L

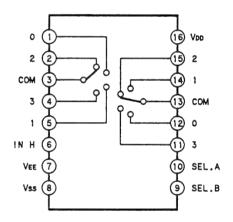




• IC801 STK-4122MK2

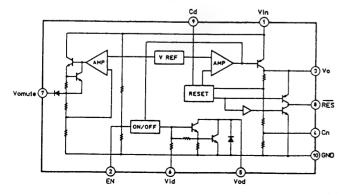
● IC705 M4052BPK

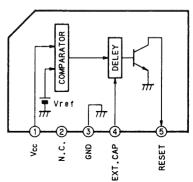




• IC999 LA5601

● IC706 M51953BL





6-9. IC PIN DESCRIPTIONS

• IC505 Display Control (µPD75212ACW-273)

Pin No.	Pin Name	1/0	ACTIVE	Description	Hold
1	S3				
2	S2		7.7	Comment Insurance automat to market	T
3	S1	0	H	Segment, keyscan output terminals	Low
4	S0				
5	INT4	I	L	HOLD input	
6	SCK	0	_	CLOCK (TC9217P T-BUS)	innut
7	SO	I/O		DATA (TC9217P T-BUS)	input
8	PO3	I	L	SIGNAL input	
9	INT0	I	L	AUDIO-BUS input	
10	INT1	I	Down	CD display data, timng	input
11	P12	I	L	Remote control input	mput
12	P13	I	L	STEREO input	
13	P20				
14	P21	,		CD display data	input
15	P22	I	_	CD display data	mput
16	P23				
17	P30	I	L	DUAL 2 input	
18	P31	I	L .	DUAL 1 input	input
19	P32	0	L	POWER port	
20	P33	0	L	MUTING	Low
21	P60				
22	P61	I	Н	Keyscan input	input
23	P62	1	п	Reyscan input	Input
24	P63				
25	P40	0		FUNCTION A output	
26	P41	0		FUNCTION B output	Low
27	P42	0	Н	AUDIO-BUS output	
28	P43	0	L	PERIOD (TC9217P T-BUS)	
29	PP0	_		Not used (open)	
30	. X1			Main system clock 4.19MHz	
31	X2			Wall System clock 4.13/4112	
32	V _{ss}	_		GND terminal (0V)	_
33	XT1		-	Sub system clock 32.768kHz	
34	XT2			oub System Clock 02.100KH2	
35	P50	0	L	DBFB	
36	P51	0	L	SURROUND	Low
37	P52	0	L	Volume DOWN	
38	P53	0	L	Volume UP	
39	RESET	I	L	System reset input terminal	
40	T0	0	Н	Digit output	Low
41	T1			2-0 output	20"

Pin No.	Pin Name	1/0	ACTIVE	Description	Hold
42	T2				
43	Т3				;
44	T4				
45	T5	0	H	Digit output	Low
46	Т6				
47	Т7				
48	Т8				
49	Т9	0	_	Not used (open)	Low
50	S15				
51	S14	0	**	Comment	Τ
52	S13	0	Н	Segment output	Low
53	S12				
54	S11		**		_
55	S10	0	Н	Segment output, specification distinction diode output	Low
56	VLOAD		_	Pull-down resistor connect terminal of FIP driver	_
57	V _{PRE}			Power supply terminal of FIP driver output buffer	_
58	S9				
59	S8		77	Comment and and	T
60	S7	0	Н	Segment output	Low
61	S6				
62	S5	0	Н	Comment Irongeon output teminal	T over
63	S4	0	н	Segment, keyscan output teminal	Low
64	V _{DD}	_	-	Power supply terminal (5V)	_

[KEY, DIODE MATRIX]

				Diode				
	S5	S4	S3	S2	S1	S0	S10	S11
S60	CLOCK	TIMER CONTROL	VIDEO	NEXT	STATION UP	STATION DOWN	TIMER FUNCTION	ST TYPE
S61 _.	DISPLAY		TUNER	AUTO/ MANUAL	SHIFT	ENTER	VIDEO/ PHONO	
S62	POWER	TIMER SET	CD	SURROUND	BAND	MEMORY	IF+50kHz	ST TYPE
S63			- TAPE D		TUNING UP	TUNING DOWN	IF-50kHz	

- 1) Pressing the key twice is not allowed. (First pressing is preceded)
- 2) The remote control precedes the input with the pey.
- 3) Input the diode in resetting and in releasing HOLD.

• IC201 CD Controller (µPD75112CW-064)

• 10201	Controller	(μΡυ/	5112CW-064)
Pin No.	Pin Name	1/0	Description
1	ĪNSW	I	Disk tray clamp-end input
2	OUTSW	I	Disk tray open-end input
3	(TIMER)	I	Timer start input
4	BSIN	I	Audio bus input
5	Not Used	I	GND
6	Not Used	I	GND
7	Not Used	I	GND
8	Not Used	I	GND
9	SENS	I	SENS input, and the state input of every kind from CXD2500Q and CXA1372Q
10	Not Used	I	GND
11	SENS	I	SENS input, and the state input of every kind from CXD2500Q and CXA1372Q
12	Not Used	I	GND
13	Not Used	I	GND
14	Not Used	I	GND
15	SUBQ	I	Q data serial input from CXD2500Q
16	Not Used	0	OPEN
17	SQCLK	0	Sub-code Q data read-in clock output for CXD2500Q
18	SCOR	I	Sub-code synchro S0 and S1 detect input
19	Not Used	0	OPEN
20	Not Used	0	OPEN
21	PLAYL	0	Play LED ON/OFF output
22	PAUSL	0	Pause LED ON/OFF output
23	KEY3	I	Key data input
24	KEY2	I	Key data input
25	KEY1	I	Key data input
26	KEY0	I	Key data input
27	DG3	0	Key-scan digit output
28	DG2	0	Key-scan digit output
29	DG1	0	Key-scan digit output
30	DG0	0	Key-scan digit output
31	Not Used	I	+5V
32	VDD	I	+5V
33	Not Used	0	OPEN
34	Not Used	0	OPEN
35	Not Used	0	OPEN
36	Not Used	0	On time 1 track jump, tracking drive is inversed output for CXA1372Q
37	DPDAT3	0	Display data output for tuner amp micon
38	DPDAT2	0	Display data output for tuner amp micon
39	DPDAT1	0	Display data output for tuner amp micon
40	DPDAT0	0	Display data output for tuner amp micon
41	DPCLK	0	Display data transmission clock output for tuner amp micon
42	PRGL	0	Serial data latch pulse output for digital filter CXD2551P
43	PRGCK	0	Serial clock output for digital filter CXD2551P
44	PRGD	0	Serial clock output for digital filter CXD2551P

Pin No.	Pin Name	1/0	Description
45	RESET	I	System reset input terminal (LOW ACTIVE)
46	X2	I	System clock input 4.19MHz
47	X1	I	System clock input 4.19MHz
48	DFCTSW	0	From focus in till spindle kick is ON except then is OFF.
49	AMUTE	0	Muting ON/OFF output
50	BSOUT	0	Audio bus output
51	AFADJ	I	Test mode input, and on time POWER "L" is test move ment of every kind
52	LDON	0	Laser diode ON/OFF output
53	XLT	0	Serial data latch pulse output for CXD2500Q
54	CLK	0	Serial clock output for CXD2500Q
55	DATA	0	Serial data output for CXD2500Q
56	Not Used	I	GND
57	ADJ	I	Test mode input, "L" is GFS no check.
58	GFS	I	GFS OK/NO Good input
59	FOK	I	Focus OK NO Good input
60	Not Used	0	OPEN
61	Not Used	0	OPEN
62	LODOUT	0	Disc tray loading-out output
63	LODIN	0	Disc tray loading-in output
64	VSS	I	GND

SECTION 7 EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts Example:

KNOB, BALANCE (WHITE)...(RED)

↑ ↑

Parts color Cabinet's color

• EA: Saudi Arabia model
JE: Tourist model
CND: Canadian model
EE: East European model
G: Germany model
IT: Italian model

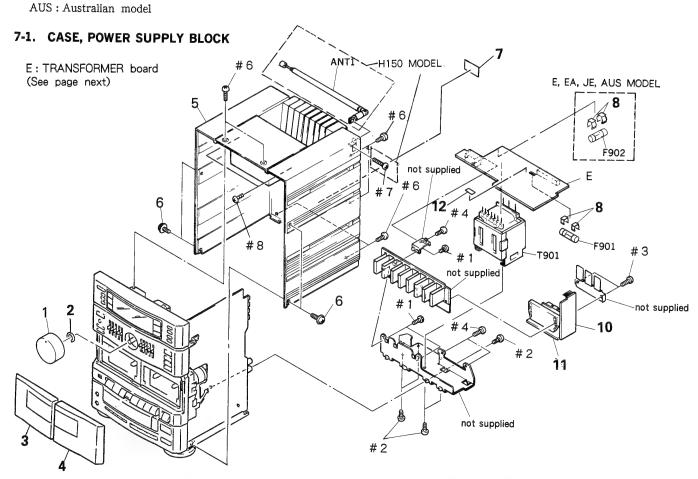
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.

Replace only with part number specified.

Les composants identifiés par une marque extstyle ext

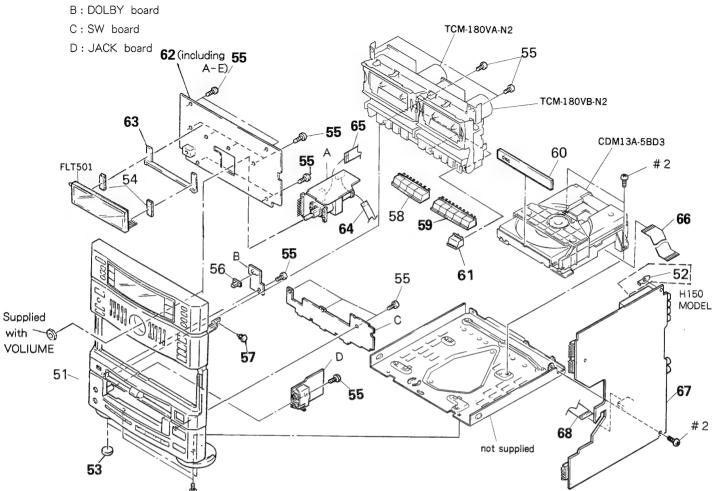
Ne les remplacer que par une pièce portant le numéro spéci-fie.



Ref.	No. Part No.	Description	<u>Remarks</u>	Ref. N	0.	Part No.	Description	Remarks
1 2 3 4 5	3-356-957-01 S X-4942-341-1 L	LID (A) ASSY, CASSETTE LID (B) ASSY, CASSETTE		12 12	3 * 3	-701-946-22 -701-947-10 -376-136-01	POWER BOARD LABEL (1.6A125V), FUSE LABEL (T800MA), FUSE (CUSHION (HALF) ANTENNA, TELESCOPIC (F	EXCEPT H150:US, CND)
5 5 6 7 8	X-4936-802-1 C X-4936-804-1 C 4-886-821-01 S * 4-941-548-01 L * 1-533-213-31 H	CASE ASSY (H150:AEP, US, CND, E CASE ASSY (H150:E, EA, JE, AUS) SCREW (CASE) (M3X6) ABEL, CLASSI		F901 Z F902 Z T901 Z	▲ 1 ▲ 1 ▲ 1 ▲ 1	-532-215-00 -532-742-11 -532-259-00 -450-055-11 -450-057-11	FUSE, TIME-LAG (EXCEPT FUSE, GLASS TUBE (H150: FUSE, TIME-LAG (H150:E TRANSFORMER, POWER (H1 TRANSFORMER, POWER (H1 TRANSFORMER, POWER (H1	H150:US, CND) 1:US, CND) 2:US, CND) 3:EA, JE, AUS) 50:E, EA, JE, AUS) 50:US, CND)

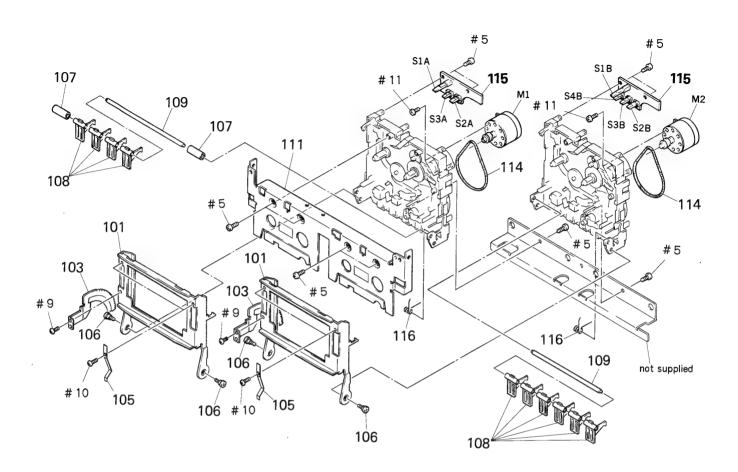
7-2. FRONT PANEL, MAIN BOARD BLOCK

A: VR board



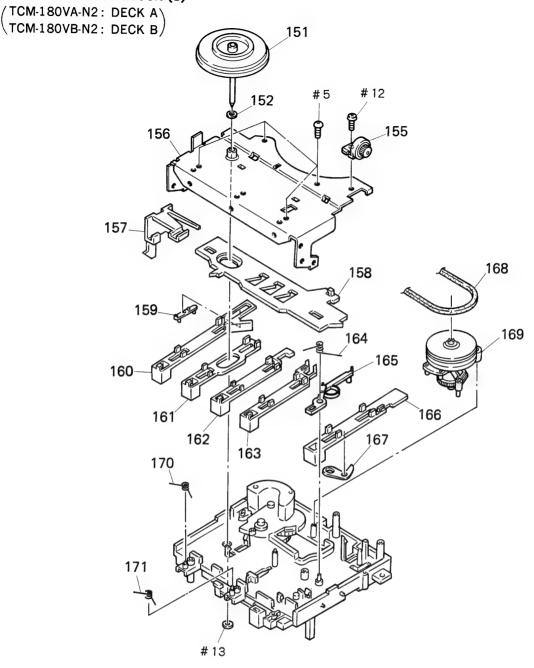
Ref.	No. Part No.	Description	<u>Remarks</u>	Ref. No	o. Part No.	Description	<u>on</u>	Remarks
51	X-4942-338-1 P	ANEL ASSY, FRONT (H150	: AEP. EE. G. IT)	62	* A-4343-542-	DISPLAY BOARD	COMPLETE (H150:IT)	
51		ANEL ASSY, FRONT (H150		"-		•	COMPLETE (H150:AEP/H	500·AFP)
51		ANEL ASSY, FRONT (H500		1			COMPLETE (H150:EE)	ooo.nui)
52		LATE, GROUND (H150)	,			·	COMPLETE (H150:EA, AU	8)
53	3-319-288-01 F			*-	* 4-950-132-0		COMILLIE (IIIJU.EA, AU	3)
00	0 010 200 01 1	001		00	+ 1 330 132 0	I ROLDER (FL)		
54	* 4-932-810-01 C	USHION (FL)		64	1-690-971-1	l WIRE (FLAT TYP)	E) (8 CORE)	
55	4-928-635-01 S	CREW, +BV (2.6X8) TAPP	ING	65		WIRE (FLAT TYP)		
56	4-950-129-01 K	NOB (DOLBY)		66		2 JUMPER, FILM (, , ,	
57	4-812-134-31 R	IVET NYLON, 3.5		67			MPLETE (H150:US, CND)	
58	4-950-138-01 B	UTTON (TC-A)		1		MAIN BOARD, CO		
		, ,					(1000)	•
59	4-950-139-01 B	UTTON (TC-B)		67	* A-4343-694-	A MAIN BOARD, CO	MPLETE (H150:E, EA, JE,	AUS)
60	4-950-127-01 P	ANEL, LOADING		67	* A-4343-709-	MAIN BOARD, CO	MPLETE (H150:AEP)	
61	4-950-140-01 B	UTTON (PAUSE)		67	* A-4343-710-	MAIN BOARD, CO	MPLETE (H150:EE)	
62	* A-4343-535-A D	ISPLAY BOARD, COMPLETE	(H150:G)	67	* A-4343-711-	MAIN BOARD, CO	MPLETE (H150:G, IT)	
62	* A-4343-536-A D	ISPLAY BOARD, COMPLETE	(H150:US, CND)	68	1-575-673-1	WIRE, FLAT TYPI	E (15 CORE)	
				FLT501		I INDICATOR TUBE,		
62	* A-4343-539-A D	ISPLAY BOARD, COMPLETE	(H500:UK)					
62	* A-4343-540-A D	ISPLAY BOARD, COMPLETE	(H150:E, JE)					

7-3. MD CHASSIS BLOCK



Ref. N	No. Part No. <u>Description</u>	<u>Remarks</u>	Ref. No.	Part No.	Description	Remarks
101	3-358-282-01 HOLDER (FH), CASSETTE				PRING (LOADING FH), TORSION	
103	* 3-358-276-01 RACK, GEAR		M1	X-3358-211-1 M	OTOR (A) ASSY	
105	3-358-280-01 SPRING (CASSETTE HOLDER FH)		M2	X-3358-211-1 M	OTOR (B) ASSY	
	3-358-277-01 SCREW, STEP		S1A	1-572-335-11 S	WITCH, LEAF (CrO2) (DECK A)	
106			S1B	1-572-335-11 S	WITCH, LEAF (CrO2) (DECK B)	
107	* 3-358-216-01 COLLAR (DECK A)		SID	1 012 000 11 0	(0100) (02010)	
108 109 111	3-358-268-01 LEVER (BUTTON BASE B) 3-358-242-01 SHAFT (BUTTON SHAFT) X-4936-821-1 JOINT (UPPER) ASSY		S2A S2B S3A	1-571-736-11 S 1-571-736-11 S	WITCH, LEAF (MD POWER) (DECK A) WITCH, LEAF (MD POWER) (DECK B) WITCH, LEAF (MD POWER) (DECK A)	
114	3-358-230-01 BELT (A1)		S3B	-	WITCH, LEAF (PLAY) (DECK B)	
115	* 1-635-160-11 PC BOARD, SWITCH		S4B	1-571-736-11 S	WITCH, LEAF (REC) (DECK B)	

7-4. MECHANISM DECK BLOCK (1)



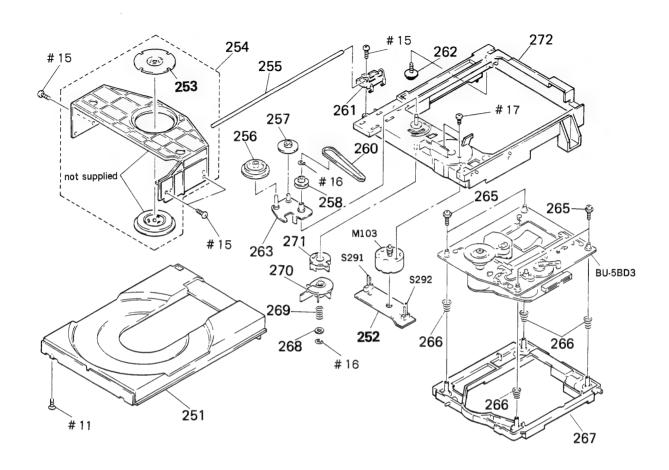
Ref.	No. Part No.	<u>Description</u>	<u>Remarks</u>	Ref. N	No.	Part No.	<u>Description</u>	<u>Remarks</u>
151	X-3358-205-1 F	LYWHEEL (A) ASSY		163	3-	358-258-01	SLIDER (REW)	
152	3-701-437-01 W	ASHER		164	3-	358-214-01	SPRING (LOCK), TORSION (DECK A)	
155	4-919-393-21 D	AMPER		164	3-	358-233-01	SPRING (REC-LOCK), TORSION (DECK B)	
156	* X-3358-216-1 B	RACKET (FH) ASSY		165	* 3-	358-251-01	LEVER (TENSION DETECTION ARM)	
157	3-358-281-01 S	LIDER (HOLDER LOCK FH)		166	3-	358-259-01	SLIDER (REC) (DECK B)	
158	* 3-358-249-01 S	LIDER (LOCK PLATE)		167	* 3-	358-204-01	LEVER (REC SAFETY) (DECK B)	
159	* 3-358-226-01 L	EVER (PAUSE LEVER) (DECK B)		168	3-	358-230-01	BELT (A1)	
160	3-358-260-01 S	LIDER (PAUSE) (DECK B)		169	X-	3358-202-1	LEVER (FR ARM) ASSY	
161	3-358-256-01 S	LIDER (STOP/EJECT)		170	3-	358-232-01	SPRING (S-P F-R), TORSION (DECK B)	
162	3-358-257-01 S	LIDER (FF)		170	3-	358-279-01	SPRING (STOP), TORSION (DECK A)	
				171	3-	358-232-01	SPRING (S-P F-R), TORSION	

7-5. MECHANISM DECK BLOCK (2)

TCM-180VA-N2: DECK A TCM-180VB-N2: DECK B #20 HP1, HRP1 (DECK A) HE1 (DECK B)

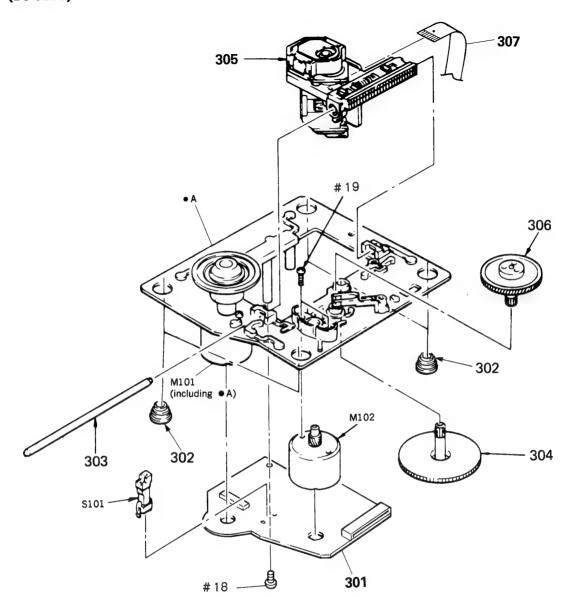
Ref. No	. Part No.	<u>Description</u>	Remarks	Ref. No	. Part No.	Description	Remarks
201	3-358-288-01 SC	REW (T), AZIMUTH		214	X-3358-203-1	TABLE (T) ASSY, REEL	
202	3-358-288-11 SC	CREW (T), AZIMUTH		215	* 3-358-284-01 (GEAR (TU GEAR)	
204	3-358-234-01 SP	RING (AZIMUTH), COMPRESSION		216	* 3-358-252-01 l	LEVER (TU ARM)	
205	3-358-286-01 LE	EVER (MOTOR LEVER)		217	* 3-358-255-01 l	LEVER (GB LEVER)	
206	3-358-285-01 GU	UIDE, TAPE (DECK A)		218	* 3-358-224-01	GEAR (FF GEAR)	
207	3-358-228-01 SP	PRING, TORSION		219	3-358-207-01	SPRING (FF GEAR), COMPRESSI	ON
208	3-358-265-01 SL	IDER (HEAD PC BOARD A)		220	3-358-227-01	SPRING, LEAF	
209	* 3-358-215-01 BU	JSHING (WIRE KIT RETAINER)		221	3-358-243-01	SPRING (TU-SHUT), TORSION	
210	X-3358-204-1 LE	EVER (PINCH LEVER) ASSY		222	* 3-358-253-01	LEVER (SHUT-OFF LEVER)	
211	3-578-143-11 PI	NCH ROLLER		223	* X-3358-215-1	CHASSIS (B) ASSY	
212	3-358-248-01 GE	CAR (SUPPLY REEL)		HE1	1-543-673-11	HEAD, MAGNETIC (ERASE)	
213		PRING (SUPPLY), COMPRESSION		HP1	1-543-319-11	HEAD, MAGNETIC (REC/PB)	
***				HRP1	1-543-319-11	HEAD, MAGNETIC (REC/PB)	

7-6. CD BLOCK (1) (CDM13A-5BD3)



Ref.	No. Part No. Description	Remarks	Ref. No.	Part No.	Description	Remarks
251	4-929-732-01 TABLE, DISK		265	4-933-134-01	SCREW (+PTPWH M2.6X6)	
252	* 1-634-461-11 LOADING BOARD		266	4-917-541-01	SPRING (B)	
253	4-918-673-01 YOKE, CHUCKING		267	4-929-747-01	HOLDER (BU)	
254	A-4604-219-A HOLDER (MG) ASSY		268	4-927-654-01	WASHER (LIMITER)	
255	4-929-764-01 SHAFT (TABLE GUIDE)		269	3-659-338-00	SPRING, COMPRESSION	
256	4-927-620-01 GEAR (P)		270	4-929-729-01	CAM (B)	
257	4-927-628-01 GEAR (C)		271	4-929-727-01	CAM (A)	
258	4-929-724-01 PULLEY (B)		272	X-4929-709-2	CHASSIS (MD) ASSY	
260	4-927-649-01 BELT		M103	A-4608-362-A	MOTOR (L) ASSY (LOADING)	
261	4-929-723-01 GUIDE (T)		S291	1-571-924-11	SWITCH, LEAF (LOAD OUT)	
262	* 4-917-583-21 BRACKET, YOKE		S292	1-571-924-11	SWITCH, LEAF (LOAD IN)	
263	X-4929-703-1 ARM ASSY. SWING		1			

7-7. CD BLOCK (2) (BU-5BD3)



Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:

Note:
Les composants identifiés par une marque A sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.	No. Part No. <u>Description</u>	Remarks	Ref. No.	Part No.	Description	Remarks
301 302 303	* A-4617-371-A BD BOARD, COMPLETE 4-933-126-01 INSULATOR (A) 4-917-565-01 SHAFT, SLED		M101	X-4917-523-3 MOTO	E, FLAT TYPE (12 CORE) DR ASSY (SPINDLE)	
304 305	4-917-564-01 GEAR (P), FLATNESS ↑ 8-848-144-11 DEVICE, OPTICAL KSS-240A			X-4917-504-1 MOTO 1-572-085-11 SWIO	OR ASSY (SLED) CTH, LEAF (LIMIT IN)	

BD

SECTION 8 ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- XX, X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS:

 $\mathtt{uF}:\ \mu\mathtt{F}$

EA: Saudi Arabia model
 JE: Tourist model
 CND: Canadian model
 EE: East European model

• RESISTORS
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film
resistor

F: nonflammable

- COILS uH: μH
- SEMICONDUCTORS

In each case, u: μ, for example: uA...: μA..., uPA..., μPA..., uPB..., μPB..., μPC..., μPC..., uPD..., μPD...

G:Germany model IT:Italian model AUS:Australian model The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

Ref. N	o. Part No. Descrip	tion_			Remarks	Ref. No.	Part No.	Descri	ption			Remarks
	* A-4617-371-A BD BOARD, C	OMPLETE						< CONNECTOR	>			
	******	*****						· • • • • • • • • • • • • • • • • • • •	,			
						CN101	1-568-796-11	SOCKET, CON	NECTOR 221)		
	< CAPACITOR :	>				CN102	1-568-795-11					
C101	1-163-038-00 CERAMIC CHIP	0. 1uF		25V				< IC >				
C102	1-163-989-11 CERAMIC CHIP	0.033uF	10%	25V								
C103	1-126-163-11 ELECT	4. 7uF	20%	50V		IC101	8-752-053-73	IC CXA137	2AQ			
C104	1-163-038-00 CERAMIC CHIP	0. 1uF		25V		IC102	8-759-822-36	IC LA65321	4			
C105	1-126-154-11 ELECT	47uF	20%	6. 3V								
								< JUMPER >				
C106	1-126-154-11 ELECT	47uF	20%	6. 3V								
C107	1-126-154-11 ELECT	47uF	20%	6. 3V		JR101	1-216-295-00	METAL CHIP	0	5%	1/10W	
C108	1-163-038-00 CERANIC CHIP	0. 1uF		25V		JR102	1-216-295-00	METAL CHIP	0	5%	1/10W	
C109	1-163-038-00 CERAMIC CHIP	0. 1uF		25V								
C110	1-163-989-11 CERAMIC CHIP	0.033uF	10%	25V				< TRANSISTOR	? >			
C111	1-131-367-00 TANTALUM	22uF	10%	20V		Q101	8-729-901-01	TRANSISTOR	DTC144EF	(
C112	1-164-232-11 CERAMIC CHIP	0. 01uF		50V								
C113	1-164-232-11 CERANIC CHIP	0. 01uF		50V				< RESISTOR >	>			
C114	1-164-161-11 CERAMIC CHIP	0. 0022uF	10%	100V								
C115	1-164-161-11 CERAMIC CHIP	0.0022uF	10%	100V		R101	1-216-097-00	METAL CHIP	100K	5%	1/10W	
0115	4 440 400 40 477 4477					R102	1-216-095-00		82K	5%	1/10W	
C117	1-163-038-00 CERAMIC CHIP	0. 1uF		25V		R103	1-216-091-00		56K	5%	1/10W	
C118	1-163-038-00 CERAMIC CHIP	0. 1uF		25V			1-216-099-00	METAL CHIP	120K	5%	1/10W	
C119	1-164-161-11 CERAMIC CHIP	0. 0022uF	10%	100V		R105	1-216-069-00	METAL CHIP	6. 8K	5%	1/10W	
C120	1-163-989-11 CERAMIC CHIP	0.033uF	10%	25V								
C151	1-163-019-00 CERAMIC CHIP	0. 0068uF	10%	50 V		R106	1-216-061-00	METAL CHIP	3. 3K	5%	1/10W	
0150	1 100 000 00 000 000					R107	1-216-114-00		510K	5%	1/10W	
C152	1-163-038-00 CERAMIC CHIP	0. 1uF		25V		R108	1-216-105-00	METAL CHIP	220K	5%	1/10W	
C153	1-163-006-11 CERAMIC CHIP	560PF	10%	50V		R109	1-216-061-00		3. 3K		1/10W	
C154 C155	1-164-161-11 CERAMIC CHIP	0.0022uF	10%	100V		R110	1-216-049-00	METAL CHIP	1K	5%	1/10W	
C171	1-163-023-00 CERAMIC CHIP	0. 015uF	5%	50V								
0171	1-163-038-00 CERAMIC CHIP	v. lur		25V		R111	1-216-049-00		1K	5%	1/10W	
C172	1-163-038-00 CERAMIC CHIP	0 1P		OEV			1-216-083-00			5%	1/10W	
C172				25V			1-216-071-00		8. 2K		1/10W	
C173	1-163-038-00 CERAMIC CHIP			25V	l		1-216-105-00		220K		1/10W	
0114	1-163-038-00 CERAMIC CHIP	v. 1uľ		25V	[R152	1-216-073-00	METAL CHIP	10K	5%	1/10W	

BD DISPLAY

Ref. N	No. Part No.	Descriptio	<u>on</u>		Remarks	Ref. No.	Part No.	Descr	iption			Remarks
R153	1-216-085-00 MET	AL CHIP	33K	5%	1/10\	C417	1-126-157-11	ELECT	10uF	20%	16V	
R154	1-216-085-00 MET				1/10\	C418	1-126-157-11		10uF	20%	16V	
R155	1-216-093-00 MET				1/10W	C419	1-126-157-11		10uF	20%	16V	
R156	1-216-081-00 MET				1/10\	C420	1-126-157-11		10uF	20%	16V	
R157	1-216-079-00 MET				1/10\\	C421	1-126-157-11		10uF	20%	16V	
					-,							
R158	1-216-079-00 MET	AL CHIP	18K	5%	1/10₩	C422	1-126-157-11	ELECT	10uF	20%	16V	
R159	1-216-079-00 MET	AL CHIP	18K	5%	1/10₩	C423	1-161-379-00	CERAMIC	0.01uF	20%	25V	
R160	1-216-049-00 MET	AL CHIP	1K	5%	1/10\	C451	1-162-282-31	CERAMIC	100PF	10%	50 V	
R171	1-216-001-00 MET	AL CHIP	10	5%	1/10W					(EXC	CEPT F	I150:G, IT)
R172	1-216-001-00 MET	AL CHIP	10	5%	1/10W	C451	1-162-294-31	CERAMIC	0.001uF	10%	50V	(H150:G, IT)
						C452	1-162-282-31	CERAMIC	100PF	10%	50V	
R173	1-216-001-00 MET	AL CHIP	10	5%	1/10W							
R174	1-216-001-00 MET	AL CHIP	10	5%	1/10W	C453	1-162-290-31	CERAMIC	470PF	10%	50V	
						C460	1-126-157-11	ELECT	10uF	20%	16V	
	< V.	ARIABLE RESI	STOR >			C471	1-162-294-31	CERAMIC	0.001uF	10%	50V	
						C472	1-162-294-31	CERAMIC	0.001uF	10%	50V	
RV101	1-238-016-11 RES	, ADJ, CARBO	N 10K			C473	1-162-282-31	CERAMIC	100PF	10%	50V	
RV102	1-238-016-11 RES	, ADJ, CARBO	N 10K			ĺ						
						C474	1-162-215-31		47PF	5%	50V	
	< S	WITCH >				C475	1-164-159-11	CERAMIC	0. 1uF		50V	
						C491	1-164-159-11	CERAMIC	0. luF		50V	
S101	1-572-085-11 SWI	TCH, LEAF(LI	MIT IN)		,	C492	1-164-159-11	CERAMIC	0. 1uF		50V	
						C493	1-164-159-11	CERAMIC	0. 1uF		50V	
*****	*******	******	******	*****	******	C494	1-164-159-11		0. 1uF		50V	
						C501	1-162-282-31		100PF	10%	50V	
	* A-4343-535-A DIS					C502	1-162-294-31		0.001uF	10%	50V	
					**************************************	C504	1-162-289-31		390PF	10%	50V	
	* A-4343-540-A DIS	-				C505	1-161-329-00	CERAMIC	0. 0068uF	30%	16V	
		********				0500	1 100 004 01	ODD 1117.0	0.001.5	1.00/	E 037	
	* A-4343-541-A DIS					C506	1-162-294-31		0.001uF	10%	50V	
					!***********	C507	1-161-494-00		0. 022uF	0.00/	25V	
	* A-4343-542-A DIS				•	C508	1-161-327-00		0. 0033uF	30%	16V	
					*********	C509	1-164-159-11		0. 1uF	0.00/	50V	
	* A-4343-544-A DIS					C510	1-161-379-00	CERAMIC	0. 01uF	20%	25V	
		**********				CELL	1 104 404 11	EI EOE	0.000	0.00/	FAT	
	* A-4343-539-A DIS	PLAI BUARD, *********				C511	1-124-464-11 1-161-494-00		0. 22uF	20%	50V	
						C512 C513	1-101-494-00		0. 022uF 1uF	20%	25V 50V	
	* A-4343-536-A DIS					C513	1-136-163-00		0. 068uF	20% 5%	50V	
	* A-4343-543-A DIS	***********				C514	1-136-163-00		0.068uF	5%	50V	
		**********			J.EE)	C313	1-130-103-00	rium	0. 000ur	D.N	301	
	****	******	*******	***		C521	1-161-379-00	CERANIC	0. 01uF	20%	25V	
	1-690-880-11 LEA	ט (אודה געאא)	ውር ተለቁን <i>(</i> 1	יימקייןעי	H150-G IT)	C521	1-164-159-11		0. 01uF	2070	50V	
	1-690-880-61 LEA					C522	1-161-379-00		0. 1ur 0. 01uF	20%	25V	
	* 4-932-810-01 CUS	,	(I	,	••/	C524	1-161-379-00		0. 01uF	20%	25V	
	* 4-952-810-01 COSI * 4-950-132-01 HOLI					C524	1-162-282-31		100PF	10%	50V	
	. 3 000 100 VI HOLI	care (ED)					- 100 000 01	Candimi C	*0014	* U/V	001	
	< 0	APACITOR >				C552	1-162-294-31	CERAMIC	0.001uF	10%	50V	
			•			C554	1-162-289-31		390PF	10%	50V	
C401	1-162-282-31 CERA	AMIC 1	00PF	10%	50V	C555	1-161-329-00		0. 0068uF	30%	16V	
		•			CEPT H150:G, IT)	C556	1-162-294-31		0. 001uF	10%	50V	
C401	1-162-294-31 CER	AMIC 0	. 001uF	10%	50V(H150:G, IT)	C557	1-161-494-00		0. 022uF		25V	
C402	1-162-282-31 CER/		00PF	10%	50V						•	
C403	1-162-290-31 CER/		70PF	10%	50V	C558	1-161-327-00	CERAMIC	0. 0033uF	30%	16V	
C410	1-126-157-11 ELEC		0uF	20%	16V	C559	1-164-159-11		0. 1uF		50V	
C416	1-124-463-00 ELEC		. luF	20%	50V	C560	1-161-379-00		0. 01uF	20%	25V	
•						C561	1-124-464-11		0. 22uF	20%	50V	
						C562	1-161-494-00		0. 022uF		25V	

DISPLAY

Ref. N	o. Part No. Descrip	<u>tion</u>		Remarks	Ref. No	o. Part No.	De	scription		Remarks
C563	1-126-160-11 ELECT	luF	20%	50 V	C1032	1-162-282-31	CERANIC	150PF	10%	EOV/1150.C (T)
C564	1-136-163-00 FILM	0. 068uF	5%	50V	C1032	1-162-294-31		0.001uF	10%	50V(H150:G, IT)
C565	1-136-163-00 FILM	0. 068uF	5%	50V	C1033					50V(H150:G, IT)
C566	1-161-379-00 CERAMIC	0. 01uF	20%	25V	1	1-162-294-31		0.001uF	10%	50V(H150:G, IT)
C568					C1035	1-161-379-00		0. 01uF	20%	25V(H150:G, IT)
C200	1-126-157-11 ELECT	10uF	20%	16V	C5002	1-161-379-00	CERAMIC	0. 01uF	20%	25V(H150:G, IT)
C571	1-124-584-00 ELECT	100uF	20%	10V	C4001	1-126-157-11	ELECT	10uF	20%	16V
C572	1-124-584-00 ELECT	100uF	20%	10V	C4002	1-161-379-00		0. 01uF	20%	25V
C573	1-126-160-11 ELECT	luF	20%	50V	C5001	1-161-375-00		0. 01ur 0. 0022uF	20%	
C574	1-126-160-11 ELECT	luF	20%	50V	00001	1 101 373 00	CERAMIC	0. 0022ur	20%	50V
C578	1-164-159-11 CERAMIC	0. luF	20%	50V			/ COMMEC	TOD \		
0010	1 101 100 II ODMINIC	o. rur		301			< CONNEC	IUR >		
C579	1-136-173-00 FILM	0. 47uF	5%	50V	CN203	* 1-569-156-11	SOCKET,	CONNECTOR 10P		
C580	1-136-173-00 FILM	0. 47uF	5%	50V	CN401	* 1-569-418-11	PIN, CON	NECTOR 13P		
C581	1-136-173-00 FILM	0. 47uF	5%	50V	CN402	* 1-568-856-11	SOCKET,	CONNECTOR 13P		
C582	1-164-159-11 CERAMIC	0. 1uF		50V	CN403	* 1-568-827-11	SOCKET,	CONNECTOR 8P		
C583	1-162-282-31 CERAMIC	100PF	10%	50 V				NECTOR (SMALL T	YPE) 4	I.P
C584	1-162-282-31 CERAMIC	100PF	10%	50 V	CN451	* 1-568-851-11	SOCKET	CONNECTOR &P		
C585	1-161-379-00 CERAMIC	0. 01uF	20%	25V		* 1-569-156-11				
C586	1-161-379-00 CERAMIC	0. 01uF	20%	25V		* 1-569-156-11	,			
C587	1-162-282-31 CERAMIC	100PF	10%	50V		* 1-509-931-11				
C588	1-161-379-00 CERAMIC	0. 01uF	20%	25V	CN901				D. G.	T (11700)
0000	1 101 010 00 CERCENTO	0. 01th	2070	231	CNSOI	1-520-950-11	INLEI, A	C (H150:AEP, EE,	EA, G, 1	T/H500)
C589	1-161-379-00 CERAMIC	0.01uF	20%	25V	CN901	1-526-931-11	INLET, A	C (H150:AEP, EE,	EA. G. I	T. AUS/H500))
C590	1-161-379-00 CERAMIC	0.01uF	20%	25V	CN901	1-526-930-11	INLET, A	C (H150:E, JE, US	CND)	-,,
C592	1-162-197-31 CERAMIC	6.8PF	10%	50V	CN902 :	* 1-568-858-11			,,	
C593	1-162-197-31 CERAMIC	6.8PF	10%	50V				R, BOARD TO BOA	RD 8P	
CCO.	1_169_100_21_CEDANIC	1000	V-8/				000010.	201812 10 2018	110 01	
C594	1-162-199-31 CERAMIC	10PF	5%	507						
	1-162-199-31 CERAMIC	10PF	5%	50V			< CONPOS	ITION CIRCUIT B	ĽOCK >	
C594	1-162-199-31 CERAMIC	10PF	5% 5%	50V			< CONPOS	ITION CIRCUIT B	LOCK >	
		10PF			CP503 1					
C595	1-162-199-31 CERAMIC	10PF		50 V		* 1-233-216-11	COMPOSIT	ITION CIRCUIT B ION CIRCUIT BLO ION CIRCUIT BLO	CK	
C595 C596	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS	10PF 0. 22F	5%	50V 5. 5V		* 1-233-216-11	COMPOSIT	ION CIRCUIT BLO	CK	
C595 C596 C597	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT	10PF 0. 22F 10uF	5% 20%	50V 5. 5V 16V		* 1-233-216-11 * 1-233-216-11	COMPOSIT	ION CIRCUIT BLO	CK	
C595 C596 C597 C598	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC	10PF 0. 22F 10uF 100uF 0. 1uF	5% 20%	50V 5. 5V 16V 10V 50V	CP504 1	* 1-233-216-11 * 1-233-216-11	COMPOSIT COMPOSIT	ION CIRCUIT BLOG	CK	
C595 C596 C597 C598 C901	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC	10PF 0. 22F 10uF 100uF 0. 1uF	5% 20% 20%	50V 5. 5V 16V 10V 50V	CP504 =	* 1-233-216-11 * 1-233-216-11 8-719-987-63	COMPOSIT COMPOSIT COMPOSIT	ION CIRCUIT BLOW ON CIRCUIT BLOW N N 1N4148M	CK	
C595 C596 C597 C598 C901	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF	5% 20% 20% 20%	50V 5. 5V 16V 10V 50V 50V	CP504 = D406 D522	* 1-233-216-11 * 1-233-216-11 8-719-987-63 8-719-301-49	COMPOSIT COMPOSIT COMPOSIT DIODE DIODE	ION CIRCUIT BLOO ION CIRCUIT BLOO > IN4148M SEL2810A	CK	
C595 C596 C597 C598 C901 C902 C905 C906	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-556-11 ELECT	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 2200uF	5% 20% 20% 20%	50V 5. 5V 16V 10V 50V 50V 50V	D406 D522 D523	* 1-233-216-11 * 1-233-216-11 * 8-719-987-63 8-719-301-49 8-719-301-49	COMPOSIT COM	ION CIRCUIT BLOO ION CIRCUIT BLOO > IN4148M SEL2810A SEL2810A	CK	
C595 C596 C597 C598 C901 C902 C905 C906 C907	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-556-11 ELECT 1-124-572-11 ELECT	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 2200uF 100uF	5% 20% 20% 20% 20% 20%	50V 5. 5V 16V 10V 50V 50V 50V 16V 63Y	D406 D522 D523 D571	* 1-233-216-11 * 1-233-216-11 * 8-719-987-63 8-719-301-49 8-719-301-49 8-719-987-63	COMPOSIT COM	ION CIRCUIT BLOO ION CIRCUIT BLOO > IN4148M SEL2810A SEL2810A IN4148M	CK	
C595 C596 C597 C598 C901 C902 C905 C906	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-556-11 ELECT	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 2200uF	5% 20% 20% 20%	50V 5. 5V 16V 10V 50V 50V 50V	D406 D522 D523	* 1-233-216-11 * 1-233-216-11 * 8-719-987-63 8-719-301-49 8-719-301-49	COMPOSIT COM	ION CIRCUIT BLOO ION CIRCUIT BLOO > IN4148M SEL2810A SEL2810A	CK	
C595 C596 C597 C598 C901 C902 C905 C906 C907	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-556-11 ELECT 1-124-572-11 ELECT	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 2200uF 100uF	5% 20% 20% 20% 20% 20%	50V 5. 5V 16V 10V 50V 50V 50V 16V 63Y	D406 D522 D523 D571	* 1-233-216-11 * 1-233-216-11 * 8-719-987-63 8-719-301-49 8-719-301-49 8-719-987-63	COMPOSIT COM	ION CIRCUIT BLOO ION CIRCUIT BLOO > IN4148M SEL2810A SEL2810A IN4148M	CK	
C595 C596 C597 C598 C901 C902 C905 C906 C907	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-556-11 ELECT 1-124-572-11 ELECT 1-126-163-11 ELECT	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 100uF 2200uF 100uF 4. 7uF	5% 20% 20% 20% 20% 20% 20%	50V 5. 5V 16V 10V 50V 50V 50V 16V 63V 50V	D406 D522 D523 D571 D572	* 1-233-216-11 * 1-233-216-11 * 1-233-216-11 8-719-987-63 8-719-301-49 8-719-987-63 8-719-987-63	COMPOSIT COM	ION CIRCUIT BLOW ION CIRCUIT BLOW IN4148M SEL2810A IN4148M IN4148M	CK	
C595 C596 C597 C598 C901 C902 C905 C906 C907 C909	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-556-11 ELECT 1-124-572-11 ELECT 1-126-163-11 ELECT	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 100uF 2200uF 100uF 4. 7uF	5% 20% 20% 20% 20% 20% 20% 20%	50V 5. 5V 16V 10V 50V 50V 50V 16V 63V 50V	D406 D522 D523 D571 D572 D574 D576	* 1-233-216-11 * 1-233-216-11 * 1-233-216-11 * 8-719-987-63 8-719-987-63 8-719-987-63 8-719-987-63 8-719-987-63	COMPOSIT COM	ION CIRCUIT BLOW ION CIRCUIT BLOW IN4148M SEL2810A IN4148M IN4148M IN4148M	CK	
C595 C596 C597 C598 C901 C902 C905 C906 C907 C909	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-556-11 ELECT 1-124-572-11 ELECT 1-126-163-11 ELECT 1-126-163-11 ELECT	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 100uF 2200uF 100uF 4. 7uF	5% 20% 20% 20% 20% 20% 20% 20%	50V 5. 5V 16V 10V 50V 50V 50V 16V 63V 50V 50V	D406 D522 D523 D571 D572 D574 D576 D577	* 1-233-216-11 * 1-233-216-11 * 1-233-216-11 * 1-233-216-11 * -719-987-63 8-719-987-63 8-719-987-63 8-719-987-63 8-719-987-63 8-719-987-63 8-719-987-63	COMPOSIT COM	ION CIRCUIT BLOW ION CIRCUIT BLOW IN4148M SEL2810A IN4148M IN4148M IN4148M IN4148M IN4148M	CK	
C595 C596 C597 C598 C901 C902 C905 C906 C907 C909	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-556-11 ELECT 1-124-572-11 ELECT 1-126-163-11 ELECT 1-126-163-11 ELECT 1-126-163-11 ELECT	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 100uF 2200uF 100uF 4. 7uF 10uF 4. 7uF	5% 20% 20% 20% 20% 20% 20% 20% 20% 20%	50V 5. 5V 16V 10V 50V 50V 50V 16V 63V 50V	D406 D522 D523 D571 D572 D574 D576	* 1-233-216-11 * 1-233-216-11 * 1-233-216-11 * 8-719-987-63 8-719-987-63 8-719-987-63 8-719-987-63 8-719-987-63	COMPOSIT COM	ION CIRCUIT BLOW ION CIRCUIT BLOW IN4148M SEL2810A IN4148M IN4148M IN4148M	CK	
C595 C596 C597 C598 C901 C902 C905 C906 C907 C909 C911 C912 C913 C915	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-556-11 ELECT 1-124-572-11 ELECT 1-126-163-11 ELECT 1-126-163-11 ELECT 1-126-163-11 ELECT 1-126-163-11 ELECT 1-126-163-11 ELECT 1-126-163-11 ELECT	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 100uF 2200uF 100uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF	20% 20% 20% 20% 20% 20% 20% 20% 20% 20%	50V 5. 5V 16V 10V 50V 50V 50V 63V 50V 50V 50V 50V 50V	D406 D522 D523 D571 D572 D574 D576 D577 D578 D579	* 1-233-216-11 * 1-233-216-11 * 1-233-216-11 * 1-233-216-11 * -719-987-63 8-719-987-63 8-719-987-63 8-719-987-63 8-719-987-63 8-719-987-63 8-719-987-63 8-719-987-63	COMPOSIT COM	ION CIRCUIT BLOW ION CIRCUIT BLOW IN4148M SEL2810A SEL2810A IN4148M IN4148M IN4148M IN4148M IN4148M IN4148M	CK	
C595 C596 C597 C598 C901 C902 C905 C906 C907 C909 C911 C912 C913 C915 C916	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-556-11 ELECT 1-124-572-11 ELECT 1-126-163-11 ELECT	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 100uF 2200uF 100uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF	5% 20% 20% 20% 20% 20% 20% 20% 20% 20% 20	50V 5. 5V 16V 10V 50V 50V 50V 63V 50V 50V 50V 50V 50V 50V 50V	D406 D522 D523 D571 D572 D574 D576 D577 D578 D579	* 1-233-216-11 * 1-233-21 * 1-233-21	COMPOSIT COM	ION CIRCUIT BLOW ION CIRCUIT BLOW IN4148M SEL2810A SEL2810A IN4148M IN4148M IN4148M IN4148M IN4148M IN4148M IN4148M	CK	
C595 C596 C597 C598 C901 C902 C905 C906 C907 C909 C911 C912 C913 C915 C916	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-572-11 ELECT 1-126-163-11 ELECT	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 100uF 2200uF 100uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 6. 1uF	20% 20% 20% 20% 20% 20% 20% 20% 20% 20%	50V 5. 5V 16V 10V 50V 50V 50V 63V 50V 50V 64V 50V 50V 50V 50V 50V 50V	D406 D522 D523 D571 D572 D574 D576 D577 D578 D579	* 1-233-216-11 * 1-233-21 *	COMPOSIT COM	ION CIRCUIT BLOW ION CIRCUIT BLOW IN4148M SEL2810A SEL2810A IN4148M IN4148M IN4148M IN4148M IN4148M IN4148M IN4148M IN4148M	CK	
C595 C596 C597 C598 C901 C902 C905 C906 C907 C909 C911 C912 C913 C915 C916 C917 C920 C921	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-572-11 ELECT 1-126-163-11 ELECT	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 100uF 2200uF 100uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 6. 1uF 0. 1uF	5% 20% 20% 20% 20% 20% 20% 20% 20% 20% 20	50V 5. 5V 16V 10V 50V 50V 50V 16V 63V 50V 50V 50V 50V 50V 50V 50V 50	D406 D522 D523 D571 D572 D574 D576 D577 D578 D579 D580 D581 D582	* 1-233-216-11 * 1-233-21 * 1-233-21	COMPOSIT COM	ION CIRCUIT BLOW ION CIRCUIT BLOW IN4148M SEL2810A SEL2810A IN4148M	CK	
C595 C596 C597 C598 C901 C902 C905 C906 C907 C909 C911 C912 C913 C915 C916 C917 C920 C921 C922	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-556-11 ELECT 1-124-572-11 ELECT 1-126-163-11 ELECT	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 100uF 2200uF 100uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 0. 1uF 0. 1uF 0. 1uF	20% 20% 20% 20% 20% 20% 20% 20% 20% 20%	50V 5. 5V 16V 10V 50V 50V 50V 16V 63V 50V 50V 50V 50V 50V 50V 50V 50	D406 D522 D523 D571 D572 D574 D576 D577 D578 D579 D580 D581 D582 D583	* 1-233-216-11 * 1-233-21 * 1-233-21	COMPOSIT COM	ION CIRCUIT BLOW ION CIRCUIT BLOW IN4148M SEL2810A SEL2810A IN4148M	CK	
C595 C596 C597 C598 C901 C902 C905 C906 C907 C909 C911 C912 C913 C915 C916 C917 C920 C921 C922 C1026	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-572-11 ELECT 1-126-163-11 ELECT	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 100uF 2200uF 100uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 6. 1uF 0. 1uF	5% 20% 20% 20% 20% 20% 20% 20% 20% 20% 20	50V 5. 5V 16V 10V 50V 50V 50V 16V 63V 50V 50V 50V 50V 50V 50V 50V 50	D406 D522 D523 D571 D572 D574 D576 D577 D578 D579 D580 D581 D582	* 1-233-216-11 * 1-233-21 * 1-233-21	COMPOSIT COM	ION CIRCUIT BLOW ION CIRCUIT BLOW IN4148M SEL2810A SEL2810A IN4148M	CK	
C595 C596 C597 C598 C901 C902 C905 C906 C907 C909 C911 C912 C913 C915 C916 C917 C920 C921 C922 C1026	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-556-11 ELECT 1-124-572-11 ELECT 1-126-163-11 ELECT	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 100uF 2200uF 100uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 0. 1uF 0. 1uF 0. 1uF	5% 20% 20% 20% 20% 20% 20% 20% 20% 20% 20	50V 5. 5V 16V 10V 50V 50V 50V 16V 63V 50V 50V 50V 50V 50V 50V 50V 50	D406 D522 D523 D571 D572 D574 D576 D577 D578 D579 D580 D581 D582 D583	* 1-233-216-11 * 1-233-21 * 1-233-21	COMPOSIT COM	ION CIRCUIT BLOW ION CIRCUIT BLOW IN4148M SEL2810A SEL2810A IN4148M	CK	
C595 C596 C597 C598 C901 C902 C905 C906 C907 C909 C911 C912 C913 C915 C916 C917 C920 C921 C922 C1026	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-556-11 ELECT 1-124-572-11 ELECT 1-126-163-11 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 100uF 2200uF 100uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 6. 1uF 0. 1uF 0. 1uF	5% 20% 20% 20% 20% 20% 20% 20% 20% 20% 20	50V 5. 5V 16V 10V 50V 50V 50V 16V 63V 50V 16V 50V 50V 50V 50V 50V 50V 50V 50	D406 D522 D523 D571 D572 D574 D576 D577 D578 D579 D580 D581 D582 D583 D584	* 1-233-216-11 * 1-233-21 *	COMPOSIT COM	ION CIRCUIT BLOW ION CIRCUIT BLOW IN4148M SEL2810A SEL2810A IN4148M IN4148M	CK CK	S, JE)
C595 C596 C597 C598 C901 C902 C905 C906 C907 C909 C911 C912 C913 C915 C916 C917 C920 C921 C922 C1026	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-556-11 ELECT 1-124-572-11 ELECT 1-126-163-11 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 100uF 2200uF 100uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 6. 1uF 0. 1uF 0. 1uF 0. 1uF	5% 20% 20% 20% 20% 20% 20% 20% 20% 20% 20	50V 5. 5V 16V 10V 50V 50V 50V 16V 63V 50V 50V 50V 50V 50V 50V 50V 50	D406 D522 D523 D571 D572 D574 D576 D577 D578 D579 D580 D581 D582 D583 D584 D585	* 1-233-216-11 * 1-233-21 * 1-23	COMPOSIT COM	ION CIRCUIT BLOO ION CIRCUIT BLOO IN4148M SEL2810A SEL2810A IN4148M	EA, AU H150:	S, JE)
C595 C596 C597 C598 C901 C902 C905 C906 C907 C909 C911 C912 C913 C915 C916 C917 C920 C921 C922 C1026 C1027 C1028	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-122-11 ELECT 1-124-556-11 ELECT 1-126-163-11 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-164-282-31 CERAMIC 1-164-282-31 CERAMIC 1-164-159-11 CERAMIC	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 100uF 2200uF 100uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 0. 1uF 0. 1uF 0. 1uF 0. 1uF	5% 20% 20% 20% 20% 20% 20% 20% 20% 20% 20	50V 5. 5V 16V 10V 50V 50V 50V 16V 63V 50V 50V 50V 50V 50V 50V 50V 50	D406 D522 D523 D571 D572 D574 D576 D577 D578 D579 D580 D581 D582 D583 D584 D585 D588	* 1-233-216-11 * 1-233-21 *	COMPOSIT COM	ION CIRCUIT BLOO ION CIRCUIT BLOO >	EA, AU H150:	S, JE) US, CND, IT)
C595 C596 C597 C598 C901 C902 C905 C906 C907 C909 C911 C912 C913 C915 C916 C917 C920 C921 C922 C1026 C1027 C1028 C1029	1-162-199-31 CERAMIC 1-125-486-11 DOUBLE LAYERS 1-126-157-11 ELECT 1-124-584-00 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-124-52-11 ELECT 1-124-572-11 ELECT 1-126-163-11 ELECT 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-164-159-11 CERAMIC 1-164-282-31 CERAMIC 1-164-282-31 CERAMIC	10PF 0. 22F 10uF 100uF 0. 1uF 0. 1uF 100uF 2200uF 100uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 4. 7uF 0. 1uF 0. 1uF 0. 1uF 150PF 150PF	5% 20% 20% 20% 20% 20% 20% 20% 20% 20% 20	50V 5. 5V 16V 10V 50V 50V 50V 16V 63V 50V 50V 50V 50V 50V 50V 50V 50	D406 D522 D523 D571 D572 D574 D576 D577 D578 D579 D580 D581 D582 D583 D584 D585 D588 D588	* 1-233-216-11 * 1-233-21 *	COMPOSIT COM	ION CIRCUIT BLOO ION CIRCUIT BLOO IN4148M SEL2810A SEL2810A IN4148M	EA, AU H150:	S, JE) US, CND, IT)

DISPLAY

Ref. No. Part	No. Desc	cription	<u>Remarks</u>	Ref. No.	Part No.	Descri	<u>ption</u>			Remarks
D903 8-719-	200-82 DIODE 1	1ES2		R404	1-249-425-11	CARBON	4.7K	5%	1/4W	
		1ES2		R405	1-249-401-11	CARBON	47	5%	1/4W	
		1ES2		R406	1-249-429-11	CARBON	10K	5%	1/4W	
		1ES2		R416	1-249-425-11	CARBON	4.7K	5%	1/4W	
	312-09 DIODE R	BA-402		R417	1-249-425-11	CARBON	4. 7K	5%	1/4W	
								F0/	1 / 410	
		ZL-24L		R418	1-249-425-11		4. 7K		1/4W	
		ZP-5. 1BC		R419	1-249-417-11		1K 1K	5% 5%	1/4W 1/4W	
		ZS6B1L		R426	1-249-417-11 1-249-441-11		100K		1/4W	
	858-11 INDUCTOR			R427 R428	1-247-903-00		100A	5%	1/4W	
FB90Z * 1-410-	858-11 INDUCTOR	oun (niso:u, ii)		NAZO	1 241 300 00	Childon		0,0	-,	
	< FILTER	>		R429	1-249-417-11	CARBON	1K	5%	1/4W	
	\ IIIII	•		R430	1-249-425-11		4. 7K	5%	1/4W	
FLT501 1-519	734-11 INDICATOR	TUBE, FLUORESCENT		R431	1-249-425-11	CARBON	4. 7K	5%	1/4W	
		,		R432	1-249-429-11	CARBON	10K	5%	1/4W	
	< IC >			R451	1-249-417-11	CARBON	1K	5%	1/4W	
			!						1 / (1997	
IC401 8-759	634-50 IC M521	8AL		R452	1-249-441-11		100K		1/4W	
	820-62 IC LB16			R453	1-249-441-11		100K		1/4W	
	634-50 IC M521			R454	1-249-425-11		4. 7K		1/4W 1/4W	
	630-99 IC M522			R455	1-249-401-11 1-249-429-11		47 10K	5% 5%	1/4W	
IC502 8-759	-634-50 IC M521	18AL		R456	1-249-429-11	CARDON	1011	3/10	1/ 1/	
10502 9.750	-520-98 IC PST	79V		R457	1-249-429-11	CARBON	10K	5%	1/4₩	
		75212ACW-273		R466	1-249-425-11		4. 7K		1/4W	
		J50XB		R467	1-249-425-11		4. 7K		1/4W	
	-630-99 IC M522			R468	1-249-425-11		4. 7K		1/4W	
		BOL-A		R469	1-249-417-11		1K	5%	1/4W	
	< JACK >			R471	1-249-429-11	CARBON	10K	5%	1/4W	
				R472	1-249-411-11		330	5%	1/4₩	
J401 1-562	-837-21 JACK (MI	(MIC)		R473	1-249-441-11		100K		1/4W	
J451 1-562	-837-21 JACK (HE	ADPHONES)		R474	1-249-411-11		330	5%	1/4W	
	/ PDANCE	OTOD \		R475	1-249-441-11	CARBON	100K	⊅ 76	1/4₩	
	< TRANSIS	SIUK >		R486	1-249-413-11	CARBON	470	5%	1/4W	
Q406 8-729	-904-39 TRANSIST	OR DTC114TS		R487	1-249-429-11		10K	5%	1/4W	
•	-904-39 TRANSIST			R501	1-247-903-00		1M	5%	1/4W	
	-904-39 TRANSIST			R502	1-249-425-11	CARBON	4. 7K	5%	1/4W	
•	-904-39 TRANSIST			R503	1-249-411-11	CARBON	330	5%	1/4W	
	-904-39 TRANSIST									
•				R504	1-247-903-00	CARBON	1M	5%	1/4W	
Q551 8-729	-904-39 TRANSIST	OR DTC114TS		R505	1-249-419-11		1. 5K		1/4W	
Q572 8-729	-900-61 TRANSIST	OR DTA114ES		R506	1-249-434-11		27K	5%	1/4W	
Q573 8-729	-224-61 TRANSIST			R507	1-247-903-00		1M	5%	1/4₩	
•	-900-80 TRANSIST			R522	1-249-409-11	CARBON	220	5%	1/4W	
Q903 8-729	-141-83 TRANSIST	OR 2SB1094-LK		DE00	1 040 400 11	CADDON	220	F0/	1 / 410	
	1 /1 00 00 11010100	OD 10011V		R523	1-249-409-11 1-249-439-11		220 68K	5% 5%	1/4W 1/4W	
•	-141-83 TRANSIST			R524 R525	1-249-439-11		1K	5%	1/4W	
••••	-209-15 TRANSIST			R525	1-249-417-11		100	5%	1/4W	
•	-209-15 TRANSIST -900-80 TRANSIST			R527	1-249-405-11		100	5%	1/4W	
•	-900-80 TRANSIST -900-80 TRANSIST			100	1 2.0 100 1	···			-,	
#000 0 12s	000 00 IMBIOIOI			R528	1-249-405-1	CARBON	100	5%	1/4W	
	< RESIST	OR >		R529	1-249-405-1	CARBON	100	5%	1/4W	
				R530	1-249-405-1	1 CARBON	100	5%	1/4W	
R401 1-249	-417-11 CARBON	1K 5%	1/4W	R531	1-249-405-1	1 CARBON	100	5%	1/4W	
	-441-11 CARBON	100K 5%	1/4W	R534	1-249-405-1	1 CARBON	100	5%	1/4W	
R403 1-249	-441-11 CARBON	100K 5%	1/4 W							

DISPLAY

Ref.	No. Part No. D	escription	<u>Remarks</u>	Ref. No. Part No. Description	<u>Remarks</u>
R535	1-249-405-11 CARBON	100 5%	1/4W	RV551 1-241-860-11 RES, VAR, SLIDE 250K (12kHz	·)
R536	1-249-405-11 CARBON	100 5%	1/4W	RV552 1-241-860-11 RES, VAR, SLIDE 250K (4kHz)	
R537	1-249-429-11 CARBON	10K 5%	1/4W	RV553 1-241-860-11 RES, VAR, SLIDE 250K (1kHz)	
R551	1-247-903-00 CARBON	1M 5%	1/4₩	RV554 41-241-860-11 RES, VAR, SLIDE 250K (400Hz	
R552	1-249-425-11 CARBON	4.7K 5%	1/4W	RV555 1-241-860-11 RES, VAR, SLIDE 250K (100Hz	
			·	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,
R553	1-249-411-11 CARBON	330 5%	1/4W	< SWITCH >	
R554	1-247-903-00 CARBON	1M 5%	1/4W		
R555	1-249-419-11 CARBON	1.5K 5%	1/4W	S201 1-572-184-11 SWITCH, KEYBOARD (EDIT)	
R556	1-249-434-11 CARBON	27K 5%	1/4W	\$202 1-572-184-11 SWITCH, KEYBOARD (■)	
R557	1-247-903-00 CARBON	1 M 5%	1/4W	S203 1-572-184-11 SWITCH, KEYBOARD (►)	
				S204 1-572-184-11 SWITCH, KEYBOARD (OPEN/CLOS	E)
R569	1-249-429-11 CARBON	10K 5%	1/4W	S205 1-572-184-11 SWITCH, KEYBOARD (►)	
R570	1-249-417-11 CARBON	1K 5%	1/4W		
R571	1-249-441-11 CARBON	100K 5%	1/4W	S206 1-572-184-11 SWITCH, KEYBOARD (►)	
R572	1-247-891-00 CARBON	330K •5%	1/4W	S207 1-572-184-11 SWITCH, KEYBOARD (▶)	
R573	1-249-425-11 CARBON	4. 7K 5%	1/4W	S208 1-572-184-11 SWITCH, KEYBOARD (◀)	
				S209 1-572-184-11 SWITCH, KEYBOARD (REPEAT)	
R574	1-249-441-11 CARBON	100K 5%	1/4W	S210 1-572-184-11 SWITCH, KEYBOARD (CONTINUE)	
R577	1-249-405-11 CARBON	100 5%	1/4W		
R582	1-249-429-11 CARBON	10K 5%	1/4W	S211 1-572-184-11 SWITCH, KEYBOARD (SHUFFLE)	
R596	1-249-429-11 CARBON	10K 5%	1/4W	S212 1-572-184-11 SWITCH, KEYBOARD (PROGRAM)	
R599	1-249-429-11 CARBON	10K 5%	1/4W	S214 1-572-184-11 SWITCH, KEYBOARD (TIME)	
				S350 1-553-977-00 SWITCH, SLIDE (DOLBY NR)	
R905	△ 1-212-934-00 FUSIBLE		1/2W F	S501 1-572-184-11 SWITCH, KEYBOARD (TIMER CON	TROL)
DOOF	A 1 010 050 00 DUGININ		H150:US, CND)		
K9U5	△ 1-212-952-00 FUSIBLE	5. 6 5%	1/2W F	S503 1-572-184-11 SWITCH, KEYBOARD (TIMER SET	
DODE	A 1.919 094 00 DUGIDLE	(H150:US		S504 1-572-184-11 SWITCH, KEYBOARD (CLOCK SET	
R906	△ 1-212-934-00 FUSIBLE	1 5%	1/2W F	S505 1-572-184-11 SWITCH, KEYBOARD (CLOCK DIS	PLAY)
Raci	△ 1-212-934-00 FUSIBLE	1 5%	1/2W F	S506 1-572-184-11 SWITCH, KEYBOARD (POWER)	
		(EXCEPT	H150:US, CND)	S507 1-572-184-11 SWITCH, KEYBOARD (DBFB)	
2007	△ 1-212-952-00 FUSIBLE	E & E9	1 /9W F	S508 1-572-184-11 SWITCH, KEYBOARD (S-SUR)	
Kooi	W I 212-302-00 FOOLDE	5.6 5% (H150:US	1/2W F	S509 1-572-184-11 SWITCH, KEYBOARD (TAPE)	
R908	1-249-425-11 CARBON	4. 7K 5%	1/4W	S510 1-572-184-11 SWITCH, KEYBOARD (CD)	
R909	1-249-433-11 CARBON	22K 5%	1/4W	S511 1-572-184-11 SWITCH, KEYBOARD (TUNER)	
R910	1-247-903-00 CARBON	1M 5%	1/4W	S512 1-572-184-11 SWITCH, KEYBOARD (VIDEO/AUX	1
R911	1-249-405-11 CARBON	100 5%	1/4W	S513 1-572-184-11 SWITCH, KEYBOARD (BAND))
			-, -	S514 1-572-184-11 SWITCH, KEYBOARD (-)	
R912	1-249-432-11 CARBON	18K 5%	1/4W	1 0.2 104 11 Office, REIDORD (*)	
R913	1-249-432-11 CARBON	18K 5%	1/4W	S515 1-572-184-11 SWITCH, KEYBOARD (+)	
R914	1-247-842-11 CARBON	3K 5%	1/4W	S516 1-572-184-11 SWITCH, KEYBOARD (AUTO)	
R915	1-249-429-11 CARBON	10K 5%	1/4W	S517 1-572-184-11 SWITCH, KEYBOARD (MEMORY)	
R917	1-249-413-11 CARBON	470 5%	1/4W	S518 1-572-184-11 SWITCH, KEYBOARD (ENTER)	
				S519 1-572-184-11 SWITCH, KEYBOARD (NEXT)	
R920	△ 1-219-134-11 FUSIBLE	0.1 5%	1/4W F	,	
R926	1-202-725-00 SOLID	3.3M 10%	1/2W	S520 1-572-184-11 SWITCH, KEYBOARD (SHIFT)	
		(H150:US	, CND)	S521 1-572-184-11 SWITCH, KEYBOARD (-)	
R4001	1-249-423-11 CARBON	3.3K 5%	1/4W	S522 1-572-184-11 SWITCH, KEYBOARD (+)	
				S901 1-571-722-11 SWITCH, VOLTAGE SELECTION (I	1150:E, EA, JE, AUS)
	< VARIAE	BLE RESISTOR >			
RV406	1-241-410-21 DEC VAE	CARRON 100KV9 /VO	i iime)	< VIBRATOR >	
RV501	1-241-419-21 RES, VAF 1-241-860-11 RES, VAF			VEA1 1 507 001 01 WIDDINGS COURSE	
RV502	1-241-860-11 RES, VAR		,	X501 1-567-821-21 VIBRATOR, CRYSTAL 4.19MHz	
RV503	1-241-860-11 RES, VAR			X502 1-527-997-21 VIBRATOR, CRYSTAL 32kHz	
RV504	1-241-860-11 RES, VAR)	******	
	000 11 RDO, TRI	., JUID 200R (400NZ	,	*******************	· * * * * * * * * * * * * * * * * * * *
RV505	1-241-860-11 RES, VAR	s, SLIDE 250K (100Hz)		

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note: Les composants identifiés par une marque A sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spéci-fié.

DISPLAY LOADING	MAIN	POWER	CHAMICAL CONDENSOR
Dig: : :			

Ref. N	No. Part No.	Description	<u>1</u>		Remarks	Ref. No.	Part No.	Descript	on			Remarks
	* 1-634-461-11 LOA	ADING BOARD				C52	1-164-056-11	CERAMIC	27PF	5%	50V	
		********				i	1-161-379-00		0, 01uF	20%	25V	
	***	******					1-161-379-00		0. 01uF		25V	
		CONNECTOR >				C55	1-161-379-00		0. 01uF		25V	
	` ` `	CONNECTOR >				C56	1-161-379-00		0. 01uF		25V	
CN201	* 1-564-498-11 PIN	N CONNECTOR	SP.			000	1 101 010 00	ODIGENITO .	0.014			
CNZJI	* 1-304-430 11 111	n, confideron o	,,			C57	1-161-379-00	CERAMIC	0. 01uF	20%	25V	
	, (SWITCH >				C58	1-124-907-11		10uF		50V	
	``	S"ITCH >				C59	1-161-379-00		0. 01uF		25V	
S291	1-571-924-11 SW	ITCH IFAF (1(רדוות מגר			C60	1-124-477-11		47uF		25V	
S292	1-571-924-11 SW					C61	1-124-925-11		2. 2uF		100V	
3202	1 0/1 024 11 0	iicii, Ebia (20	JILD 1117									
*****	************	*****	******	****	*****	C62	1-136-153-00	FILM	0.01uF	5%	50V	
*****		.,				C63	1-124-463-00		0. 1uF	20%	50V	
	* A-4343-711-A MA	IN BOARD, COM	PLETE (H1	50:G.	IT)	C64	1-124-902-00	ELECT	0. 47uF	20%	50V	
		*********								(H150	O:AEP,	EE, G, IT/H500)
	* A-4343-709-A MA					C65	1-136-157-00	FILM	0, 022uF	5%	50V	
		*********						•		(H15	O:AEP,	, EE, G, IT/H500)
	* A-4343-694-A MA					C66	1-136-157-00	FILM	0. 022uF	5%	50V	
		********								(H15	O:AEP	, EE, G, IT/H500)
	* A-4343-538-A MA	IN BOARD, COM	PLETE (H5	00)								
		*********				C67	1-162-282-31	CERAMIC	100PF	10%	50V	
	* A-4343-537-A MA	IN BOARD, COM	PLETE (HI	50:US	, CND)	C81	1-161-379-00	CERAMIC	0.01uF	20%	25V	
		*******				C82	1-124-472-11	ELECT	470uF	20%	10V	
	* A-4343-710-A MA	IN BOARD, COM	PLETE (H1	50:EE)	C83	1-161-379-00	CERAMIC	0.01uF	20%	25V	
		*******				C84	1-124-907-11		10uF	20%	50V	
	* 1-634-849-13 PO	WER BOARD										
	**	******				C85	1-161-379-00	CERAMIC	0.01uF	20%	25V	
	* 1-634-850-13 CH	AMICAL CONDEN	SOR BOARD)		C86	1-162-282-31	CERAMIC	100PF	10%	50V	
	**	******	*******	:		C87	1-161-379-00	CERAMIC	0.01uF	20%	25 V	
						C88	1-124-907-11	ELECT	10uF	20%	50 V	
	< (CAPACITOR >				C89	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C1	1-162-195-31 CE	RAMIC 4	. 7PF	10%	50V	C90	1-124-477-11	ELECT	47uF	20%	25V	
			(EXCEF	т н15	0:US, CND, G, IT)	C91	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C2	1-124-907-11 EL	ECT 1	0uF	20%	50V	C92	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C3	1-161-379-00 CE	RAMIC 0	. 01uF	20%	25V	C93	1-161-375-00	CERAMIC	0. 0022uF	20%	50V	
C4	1-162-294-31 CE	RAMIC 0	. 001uF	10%	50V	C94	1-161-375-00	CERAMIC	0. 0022uF	20%	50V	
C5	1-161-379-00 CE	RAMIC 0	. 01uF	20%	25V							
						C95	1-124-903-11	ELECT	luF	20%	50V	
C6	1-164-159-11 CE	RAMIC 0	. 1uF		50V	C96	1-124-903-11		luF	20%	50V	
			(H150:F	E, EA, J	E, AUS)	C97	1-124-903-11		luF	20%	50V	
C7	1-164-159-11 CE	RAMIC 0	. luF		50V	C98	1-124-903-11		1uF	20%	50V	
			(EXCEPT		:US, CND)	C99	1-136-154-00	FILM	0. 012uF	5%	50V	
C8	1-161-379-00 CE	RAMIC 0	.01uF	20%					(EXCEP	Т Н150	:US, C	ND)
					0:AEP, EE, G, IT/H500)							
C9	1-102-120-00 CE	CRAMIC 0	. 0018uF			C99	1-136-155-00) FILM	0. 015uF		50₹	
					0:AEP, EE, G, IT/H500)					US, CND		
C10	1-161-374-11 CE	CRAMIC 0	. 0015uF			C100	1-136-154-00) FILM	0. 012uF		50V	um)
				(H15	0:AEP, EE, G, IT/H500)					T H150		.ND)
						C100	1-136-155-00	FILM	0. 015uF	5%	507	
C21	1-161-379-00 CE	CRAMIC 0	. 01uF	20%	25V	0101	1 104 007 **	DI DOT		US, CND		
					(H150:E, EA, JE, AUS)	C101	1-124-907-11		10uF	20%	50V	
C22	1-102-947-00 CE	CRAMIC 1	0PF	5%	50V	C102	1-161-379-00	CERAMIC	0. 01uF	20%	25V	
_			050 -		(H150:EA, JE, AUS)	0100	1 102 400 00	PLECT	0.165	904	EVM.	
C23	1-136-162-00 FI	LM 0	. 056uF	5%	50V	C103	1-124-463-00		0. 1uF	20%	50V	
			0.47 =	F0'	(H150:E, EA, JE, AUS)	C104	1-124-903-11		luF	20%	50V	
C24	1-136-161-00 FI	LM 0	. 047uF	5%	50V	C105	1-124-903-11		luF	20%	50V	
		DAMA C	gpp.	rw	(H150:E, EA, JE, AUS)	C106	1-124-903-11		luF	20%	50V	(U150.C IT)
C51	1-164-056-11 CE	RAMIC 2	7PF	5%	50V	C107	1-162-282-3	LCERAMIC	100PF	10%	301	(H150:G, IT)

Ref. No.	Part No.	Descrip	tion		Remarks	Ref. No.	Part No.	Descript	tion		Remarks
C108	1-162-211-31	CERAMIC	33PF	5%	50 V	C623	1-130-474-00	MYLAR	0. 0018uF		50V
C100	1 100 001 01	ODD ANG O	FAADD		CEPT H150:G, IT)						EP, EE, G, IT/H500)
C108	1-162-291-31		560PF	5%	50V (H150:G, IT)	C624	1-130-480-00	MYLAR	0. 0056uF		50V
C109	1-161-379-00		0. 01uF	20%	25V				(H150:AI	EP, EE, G, IT/H500)
C110	1-161-379-00		0.01uF	20%	25V	C625	1-124-907-11	ELECT	10uF	20%	50V
C111	1-124-925-11	ELECT	2. 2uF	20%	100V						EP, EE, G, IT/H500)
C110	1 101 270 00	CEDANIC	0.01.70	000/	057	C626	1-124-903-11		luF	20%	50V
C112	1-161-379-00		0.01uF	20%	25V	C627	1-162-294-31	CERAMIC	0. 001uF	10%	50V (H150:G, IT)
C114	1-161-379-00		0. 01uF	20%	25V						
C116	1-161-379-00		0. 01uF	20%	25V	C627	1-162-282-31	CERAMIC	100PF	10%	50V
C117	1-161-379-00		0. 01uF	20%	25V				(1	H150:AI	EP, EE/H500)
C131	1-161-379-00	CERAMIC	0.01uF	20%	25V	C628	1-161-294-31	CERAMIC	0.001uF	10%	50V
0100		6777 AAAA							(1	H150:AI	EP, EE, G, IT/H500)
C132	1-162-207-31		22pF	5 %	50V (H150:EE, G, IT)	C651	1-162-293-31		820PF	10%	50V
C201	1-164-159-11		0. 1uF		50V	C652	1-162-282-31	CERAMIC	100PF	10%	50V
C211	1-136-161-00		0. 047uF	5%	50V	C653	1-136-157-00	FILM	0. 022uF	5%	50V
C212	1-161-374-11		0. 0015uF	20%	50V						
C213	1-161-379-00	CERAMIC	0.01uF	20%	25V	C654	1-126-157-11		10uF	20%	16V
0011	1 101 107 00					C657	1-162-294-31	CERAMIC	0.001PF	10%	50V (H150:G, IT)
C214	1-124-465-00		0. 47uF	20%	50V	C657	1-162-282-31	CERAMIC	100PF	10%	50V
	1-164-159-11		0. 1uF		50V					(H15	50:AEP, EE/H500)
	1-162-207-31		22PF	5%	50V	C658	1-161-379-00	CERAMIC	0.01uF	20%	25V
	1-162-207-31		22PF	5%	50V					(H15	50:AEP, EE, G, IT/H500)
C223	1-124-443-00	ELECT	100uF	20%	10 V	C659	1-136-161-00	FILM	0.047uF	5%	50V
C225	1-136-165-00	FILM	0. 1uF	5%	50V	C661	1-162-293-31	CERANIC	820PF	10%	50 V
C229	1-124-907-11	ELECT	10uF	20%	50V	C662	1-162-282-31		100PF	10%	50V
C231	1-161-374-11	CERAMIC	0. 0015uF	20%	50V	C663	1-136-157-00		0. 022uF	5%	50V
	1-161-374-11		0. 0015uF	20%	50V	C664	1-124-907-11		10uF	20%	50V
C233	1-162-286-31	CERAMIC	220PF	10%	50V	C671	1-162-282-31		100PF	10%	50V
						0011	1 102 202 01	CERTAINIC	10011	10%	504
C234	1-162-286-31	CERAMIC	220PF	10%	50V	C672	1-162-282-31	CERAMIC	100PF	10%	50V
C235	1-124-903-11	ELECT	1uF	20%	50V	C673	1-130-474-00		0. 0018uF	5%	50V
C236	1-124-903-11	ELECT	1uF	20%	50V		2 100 111 00	mi Ditte	0.001641		50:AEP, EE, G, IT/H500)
C237	1-124-907-11	ELECT	10uF	20%	50V	C674	1-130-480-00	MVI AR	0. 0056uF		50V
C238	1-124-907-11	ELECT	10uF	20%	50V		- 100 100 00		0. 000001		50:AEP, EE, G, IT/H500)
						C675	1-124-907-11	FI FCT	10uF	20%	50V
C251	1-162-282-31	CERAMIC	100PF	10%	50V	****		20201	1001		60:AEP, EE, G, IT/H500)
C252	1-162-282-31	CERAMIC	100PF	10%	50V	C676	1-124-903-11	FI FCT	1uF	20%	50V
C253	1-162-282-31	CERAMIC	100PF	10%	50V			20201	rui.	2070	301
C254	1-162-282-31	CERAMIC	100PF	10%	50V	C701	1-162-290-31	CERAMIC	470PF	10%	50V
C255	1-162-282-31	CERAMIC	100PF	10%	50 V		1-162-290-31		470PF	10%	50V
							1-124-254-00		0. 68uF	20%	50V
C256	1-161-379-00	CERAMIC	0. 01uF	20%	25V		1-124-907-11		10uF	20%	50V
C257	1-161-379-00	CERAMIC	0. 01uF	20%	25V		1-126-157-11		10uF	20%	16V
C258	1-161-379-00	CERAMIC	0. 01uF	20%	25V	0.00	1 120 101 11	DELCI	Tour	20/0	101
C601	1-162-293-31	CERAMIC	820PF	10%	50¥	C706	1-124-902-00	ei ect	0. 47uF	20%	50V
	1-162-282-31		100PF	10%	50V		1-124-925-11		2. 2uF	20%	100V
							1-124-907-11		2. zur 10uF		
C603	1-136-157-00	FILM	0. 022uF	5%	50V		1-162-288-31		330PF	20%	50V
	1-126-157-11		10uF	20%	16V		1-162-282-31			10%	50V
	1-136-161-00		0. 047uF	5%	50V	0111	. 100 604-01	CPIVALIA	100PF	10%	50 V
	1-161-379-00		0. 01uF	20%	25V	C712	1_124_449.00	DI DOT	100	004	107
	1-162-293-31		820PF	10%	50V		1-124-443-00 : 1-161-379-00		100uF	20%	10V
				20/0					0. 01uF	20%	25V
C612	1-162-282-31	CERAMIC	100PF	10%	50V		1-162-294-31		0.001uF	10%	50V
	1-136-157-00		0. 022uF	5%	50V		1-161-374-11		0. 0015uF		50V
	1-124-907-11		10uF	20%	50V	C144	1-161-329-00	CERAMIC	0.0068uF	30%	16V
	1-162-282-31		100PF	10%	50V	C723	1_124_002_11_1	PI DOT	113	0.064	507
	1-162-282-31		100FF	10%	50V		1-124-903-11		luF	20%	50V
	01		10011	10/0	J.	C724	1-124-925-11	ELECT	2. 2uF	20%	100V

CHAMICAL CONDENSOR MAIN POWER

Ref. No	Part No.	Descrip	tion		<u>Remarks</u>	Ref. No.	Part No.	Desc	ription			Remarks
C725	1-136-153-00	rii u	0. 01uF	5%	50V	C997	1-124-903-11	ELECT	1uF	20%	50V	
C123	1 130 133 00	I I Lai	o. oru		50:AEP, EE, G, IT/H500)	C998	1-126-176-11		220uF	20%	10V	
CTOF	1 126 154 00	DIIM	0. 012uF	5%	50V	C999	1-124-907-11		10uF	20%	50V	
C725	1-136-154-00	rilm	0. 012ur		E, US, CND, EA, JE, AUS)	C1001	1-162-282-31		100uF	10%		(H150:G, IT)
	1 100 175 00	IST AD	0.0000-75		50V	C1001	1-162-288-31		330PF	10%		(H150:G, IT)
C726	1-130-475-00	MYLAK	0. 0022uF			C1002	1-102-200-31	CERAMIC	3301 F	10/6	301	(11100.0, 117
					50:AEP, EE, G, IT/H500)	01000	1 100 004 91	CEDANIC	0. 001uF	10%	EOV	(H150:G, IT)
C727	1-130-475-00	MYLAR	0. 0022uF		50V	C1003	1-162-294-31			10%		(H150:G, IT)
					50:AEP, EE, G, IT/H500)	C1004	1-162-294-31		0.001uF			
C728	1-162-286-31	CERAMIC	220PF	10%	50V	C1005	1-162-294-31		0.001uF	10%		(H150:G, IT)
						C1006	1-162-294-31		0. 001uF	10%		(H150:G, IT)
C729	1-162-286-31	CERAMIC	220PF	10%	50 V	C1007	1-164-159-31	CERAMIC	0. 1uF		50¥	(H150:G, IT)
C731	1-124-927-11	ELECT	4. 7uF	20%	100V							(man a man)
C735	1-124-907-11	ELECT	10uF	20%	50V	C1008	1-164-159-31		0. 1uF			(H150:G, IT)
C736	1-161-379-00	CERAMIC	0.01uF	20%	25V	C1009	1-161-379-00	CERAMIC	0. 01uF	20%		(H150:G, IT)
C737	1-124-443-00	ELECT	100uF	20%	10V	C1010	1-161-379-00	CERAMIC	0. 01uF	20%		(H150:G, IT)
						C1011	1-161-379-00	CERAMIC	0. 01uF	20%		(H150:G, IT)
C738	1-161-379-00	CERAMIC	0. 01uF	20%	25V	C1012	1-161-379-00	CERAMIC	0. 01uF	20%	25V	(H150:G, IT)
C739	1-164-159-11	CERAMIC	0. 1uF		50V							
C740	1-164-159-11	CERAMIC	0. 1uF		50V (H150:US, CND)	C1013	1-161-379-00	CERAMIC	0. 01uF	20%	25V	(H150:G, IT)
C751	1-162-290-31		470PF	10%	50 V	C1014	1-161-379-00	CERAMIC	0.01uF	20%	25V	(H150:G, IT)
C752	1-162-290-31		470PF	10%	50V	C1015	1-161-379-00	CERAMIC	0.01uF	20%	25V	(H150:G, IT)
0102	1 100 000 01		-10			C1017	1-161-379-00		0. 01uF	20%	25V	
C753	1-124-254-00	FIECT	0. 68uF	20%	50V	C1019	1-164-159-11		0. 1uF		50V	(H150:G, IT)
C754	1-124-254-00		10uF	20%	50V	0.010		02/112/110				
C755	1-126-157-11		10uF	20%	16V	C1020	1-164-159-11	CERAMIC	0. 1uF		50V	(H150:G, IT)
			0. 47uF	20%	50V	C1020	1-164-159-11		0. luF			(H150:G, IT)
C756	1-124-902-00					C1021	1-162-294-31		0. 001uF	10%		(H150:G, IT)
C757	1-124-925-11	ELECI	2. 2uF	20%	100V		1-162-294-31		0. 001uF	10%		(H150:G, IT)
				000	COT	C1023			0. 001uF	20%		(H150:G, IT)
C759	1-124-907-11		10uF	20%	50V	C2001	1-161-379-00	CERAMIC	v. viur	20%	231	(1130.0, 11)
C760	1-162-288-31		330PF	10%	50V			/ OTDOUT	DDE4VED \			
C761	1-162-282-31		100PF	10%	50V			CIRCUIT	BREAKER >			
C764	1-162-294-31		0.001uF	10%	50V							
C795	1-124-907-11	ELECT	10uF	20%	50V		1-532-564-00	•				
						CB851 △	1-532-564-00	BREAKER,	CIRCUIT			
C801	1-124-907-11	ELECT	10uF	20%	50V							
C802	1-162-290-31	CERAMIC	470PF	10%	50V			< FILTER	>			
C803	1-126-233-11	ELECT	22uF	20%	50V							
C804	1-164-159-11	CERAMIC	0. luF		50V	CF1	1-567-389-11					
C805	1-164-159-11	CERAMIC	0. luF		50V	CF2	1-567-389-11	FILTER, C	ERAMIC (H150:	G, IT, A	US)	
						CF81	1-567-389-11	FILTER, C	ERAMIC			
C851	1-124-907-11	ELECT	10uF	20%	50V							
C852	1-162-290-31	CERAMIC	470PF	10%	50V			< CONNECT	OR >			
C853	1-126-233-11	ELECT	22uF	20%	50V							
C854	1-164-159-11		0. 1uF		50Y	CN201 *	1-569-155-11	PLUG, CON	NECTOR 10P			
C855	1-164-159-11		0. 1uF		50V	CN202	1-568-802-11	SOCKET, O	ONNECTOR 19P			
2000	14					1	1-564-339-71					
C871	1-124-618-11	ELECT	2200uF	20%	35V	CN601	1-564-507-11					
C872	1-124-618-11		2200uF	20%	35V	1	1-564-509-11					
C872	1-124-016-11		220uF	20%	25V			,				
			220uF	20%	35V	CN701 4	1-569-155-11	PLUG. CON	NECTOR 10P			
C874	1-124-484-11		2200F 10 u F	20%	50V		1-569-155-11					
C875	1-124-907-11	LELECI	Tour	2076	JU1		1-568-832-11	•				
0070	1 104 007 11	pi por	10	20*	EOV		1-568-834-11					
C876	1-124-907-11		10uF	20%	50V							
C877	1-124-907-11		10uF	20%	50V	CN/ZI 1	1-564-505-11	i riou, con	NECTOR AL			
C878	1-124-910-11		47uF	20%	50V	OMES :	. 1 504 000 00	DIN OF	ECTAD OD			
C879	1-124-910-11		47uF	20%	50V		1-564-336-00					
C880	1-124-910-11	ELECT	47uF	20%	50V		1-564-339-00					
							1-564-340-00					
C899	1-164-159-11		0. 1uF		50V	1	1-508-694-00			m.m=\	470	
C996	1-124-927-11	I ELECT	4. 7uF	20%	100V	CN802 4	1-564-706-11	I PIN, CONN	ECTOR (SMALL	TYPE)	4P	
							Note:		Note:			

Note:
Les composants identifiés par une marque \(\frac{\Lambda}{\Lambda} \) sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No	o. Part No.	Descriptio	<u>n</u>	Remarks	Ref. No.	Part No.	Descr	ription	Remarks
	<	TRIMMER >			IC621	8-759-634-50	IC M5218	AL (H150: AEP, EE, G, IT/H500)	
					IC661	8-759-112-93		70HA-1	
CT21	1-141-227-00 CA	AP, TRIMMER	20PF (H150:E, EA, JE, AUS))	IC701	8-759-634-50			
CT22	1-141-227-00 CA	AP, TRIMMER	20PF (H150:E, EA, JE, AUS)	1	IC702	8-752-057-19			
					IC703	8-759-000-49		66BCP	
	<	DIODE >						***************************************	
					IC704	8-752-038-00	IC : CXA12	98AP	
D21	8-719-902-79 DI	ODE KV1236Z	(H150:E, EA, JE, AUS)		IC705	8-759-000-48	IC MC140	52BCP	
D201	8-719-010-34 DI	ODE UZ-4. 7B	SC		IC706	8-759-605-16	IC M5195	3BL	
D205	8-719-987-63 DI	ODE 1N4148M			IC785	8-759-040-01	IC MC140	01BCP	
D601	8-719-987-63 DI	ODE 1N4148M			IC801	8-749-920-19	IC STK41	22MK2	
D701	8-719-933-48 DI	ODE HZS7B3L							
					IC999	8-759-821-93	IC LA560	1	
D721	8-719-987-63 DI	ODE 1N4148M					< IFT >		
D735	8-719-933-36 DI	ODE HZS6B1L							
D736	8-719-987-63 DI				IFT81	1-404-853-11	TRANSFORME	R, IF (CERAMIC FILTER)	
D737	8-719-987-63 DI				IFT82	1-404-807-11	TRANSFORME	R, DISCRIMINATOR	
D738	8-719-987-63 DI	ODE 1N4148M							
200	0 710 000 00 00						< JACK >		
D739	8-719-987-63 DI							4	
D785 D786	8-719-987-63 DI				J701	1-569-181-11	JACK, PIN	2P (VIDEO/AUX)	
D787	8-719-987-63 DI								
D788	8-719-987-63 DI 8-719-987-63 DI						< COIL >		
Dioo	0 113 301-03 DI	ODE IN4140m			L1	1_400, 425, 00	TAIDHOTOD	000-II (IIIE0 APP C IM	uroo\
D789	8-719-987-63 DI	ODE 1N4148M		I	L81	1-408-425-00 1-408-399-00		220uH (H150: AEP, G, IT/	n500)
D790	8-719-987-63 DI				L83	1-410-489-11		1. 5uH	
D791	8-719-987-63 DI				L701	1-410-469-11		390uH	
D792	8-719-987-63 DI				L721	1-410-489-11		22mH 390uН	
D793	8-719-987-63 DI				DIEL	1 410 405-11	INDUCTOR	350un	
					L751	1-410-779-21	INDUCTOR	22mH	
D801	8-719-912-20 DI	ODE 1SS120			L1001	1-410-521-11		100uH (H150:G, IT)	
	< 1	FRONTEND >					< FILTER >		
ED1001	1 410 050 11 700	DUOMOD 0 11 /11	150.0.25						
FB1001	1-410-858-11 IN	•			LPF81	1-235-164-00			
FB1002 FE1	1-410-858-11 IN				LPF82	1-235-164-00	FILTER, LO	W PASS	
FE1			GAUG) (H150:G, IT)	1				 .	
FE1	1-465-396-11 FR)) (EXCEPT H150:EE, G, IT)	İ			< TRANSIST	OR >	
	1 400 010 11 110	ONTEND (2 DAIN	// (EACEIT HISO: EE, U, II)		Q1	8-729-620-19	TDANCTOTAD	2SC2724-CD	
FE2	1-236-462-11 EN	CAPSULATED CO	PONENT (H150: AEP, EE, G, I	T/H500)	Q2	8-729-620-19			
FE2			PONENT (H150:E, EA, JE, AU		Q3	8-729-900-80			
FE2			PONENT (H150:US, CND)		Q4	8-729-900-61			
FE3			PONENT (H150: AEP, EE, G, I	T/H500)	Q5	8-729-900-80			CMD)
FL81			PONENT (H150:G, IT)	-,	40	0 120 000 00	TICALOTOTOR	DICTIFICO (EACEM I MISO. 05)	(CND)
					Q6	8-729-900-80	TRANSISTOR	DTC114ES (EXCEPT H150:US	. CND)
	<	IC >			Q7	8-729-119-76	TRANSISTOR		-
					Q8	8-729-620-05	TRANSISTOR	2SC2603-EF (EXCEPT H150:	US, CND)
IC51	8-759-239-29 IC	TC9217P			Q 9	8-729-900-80	TRANSISTOR		
IC81	8-759-821-45 IC	LA1851N			Q10	8-729-900-74	TRANSISTOR		
IC201	8-759-150-19 IC	uPD75112CW-	-064					,,	,
IC202	8-752-337-26 IC	CXD2500AQ			Q10	8-729-900-80	TRANSISTOR	DTC114ES (H150:E, EA, JE, A)	US)
IC221	8-752-337-09 IC	CXD2554P			Q 51	8-729-202-67	TRANSISTOR	2SK246-GR3	
				į	Q52	8-729-201-84	TRANSISTOR	2SC3112-B	
IC222	8-759-990-13 IC	TDA1543A			Q53	8-729-202-67	TRANSISTOR		G, IT/H500)
IC223	8-759-634-51 IC	M5218AP			Q54	8-729-201-84	TRANSISTOR	2SC3112-B (H150: AEP, EE, C	
IC253	8-759-633-65 IC	M54641L							•
IC601	8-759-112-93 IC	uPC4570HA-1							
IC602	8-759-140-53 IC	uPD4053BC							

Ref. No	o. <u>Part No.</u> <u>Descri</u>	ption Remarks	Ref. No	. Part No.	Description	Remarks
Q101	8-729-620-05 TRANSISTOR	2SC2603-EF	R11	1-249-421-11 CARBO	ON 2, 2K 5%	1/4W
Q102	8-729-620-05 TRANSISTOR	2SC2603-EF				:AEP, EE, G, IT/H500)
Q103	8-729-900-80 TRANSISTOR	DTC114ES	R12	1-249-421-11 CARBO		1/4W
Q201	8-729-620-05 TRANSISTOR	2SC2603-EF				:AEP, EE, G, IT/H500)
Q231	8-729-141-26 TRANSISTOR	2SC3622A-LK	R12	1-249-429-11 CARBO		1/4W
- QUOI	O 120 111 20 IMMOIOION	Secondari Sir				(H150:E, EA, JE, AUS)
Q232	8-729-141-26 TRANSISTOR	2SC3622A-LK	R13	1-249-433-11 CARBO	ON 22K 5%	1/4W
Q233	8-729-900-65 TRANSISTOR	DTA144ES				:AEP, EE, G, IT/H500)
Q234	8-729-900-80 TRANSISTOR	DTC114ES	R14	1-249-432-11 CARBO		1/4₩
Q252	8-729-900-80 TRANSISTOR	DTC114ES				:AEP, EE, G, IT/H500)
Q253	8-729-900-80 TRANSISTOR	DTC114ES			******	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
4-00			R15	1-247-903-00 CARBO	N 1M 5%	1/4₩
Q601	8-729-904-39 TRANSISTOR	DTC114TS				:AEP, EE, G, IT/H500)
Q603	8-729-900-80 TRANSISTOR	DTC114ES	R20	1-249-425-11 CARBO		1/4W
Q651	8-729-904-39 TRANSISTOR	DTC114TS	1			XCEPT H150:US, CND)
Q721	8-729-801-93 TRANSISTOR	2SD1387	R21	1-249-429-11 CARBO		1/4W
Q722	8-729-620-05 TRANSISTOR	2SC2603-EF				(H150:E, EA, JE, AUS)
4,	0 (20 020 00 12.0.00		R22	1-249-429-11 CARBO	ON 10K 5%	1/4₩
Q723	8-729-900-80 TRANSISTOR	DTC114ES				(H150:E, EA, JE, AUS)
Q731	8-729-904-39 TRANSISTOR	DTC114TS	R23	1-249-407-11 CARBO	ON 150 5%	1/4W
Q732	8-729-900-61 TRANSISTOR	DTA114ES			,	(H150:US, CND)
Q735	8-729-111-29 TRANSISTOR	2SD1616A-K	1			(1120 100) 01127
Q736	8-729-209-15 TRANSISTOR	2SD2012 (EXCEPT H150:US, CND)	R50	1-249-441-11 CARBO	N 100K 5%	1/4W
@100	0 123 203 13 INAMOISION	2002012 (Excell 1 1100:00; CAD)	R51	1-249-417-11 CARBO		1/4W
Q736	8-729-140-98 TRANSISTOR	2SD773 (H150:US, CND)	R52	1-249-417-11 CARBO		1/4W
Q738	8-729-900-61 TRANSISTOR	DTA114ES	R53	1-249-441-11 CARBO		1/4W
Q739	8-729-900-89 TRANSISTOR	DTC144ES	R54	1-249-417-11 CARBO		1/4W
Q740	8-729-900-89 TRANSISTOR	DTC144ES	1.04	1 210 111 11 01100	211 07	±/ ±0
Q781	8-729-904-39 TRANSISTOR	DTC114TS	R55	1-249-425-11 CARBO	ON 4.7K 5%	1/4W
#101	0 725 504 05 IMMOIDION	D1011410	R56	1-249-405-11 CARBO		1/4W
Q785	8-729-801-93 TRANSISTOR	2SD1387	R57	1-249-401-11 CARBO		1/4W
Q786	8-729-900-80 TRANSISTOR	DTC114ES	R58	1-249-423-11 CARBO		1/4W
Q787	8-729-900-80 TRANSISTOR	DTC114ES	R59	1-249-414-11 CARBO		1/4W
Q789	8-729-900-80 TRANSISTOR	DTC114ES	1.00	1 210 111 11 0000	A. 500 BA	L/ 211
Q790	8-729-900-80 TRANSISTOR	DTC114ES	R60	1-249-417-11 CARBO	ON 1K 5%	1/4W
Q 130	0 720 500 00 IMMOISION	51011115	R61	1-249-410-11 CARBO		1/4₩
Q801	8-729-900-80 TRANSISTOR	DTC114ES	R62	1-249-418-11 CARBO		1/4\
Q999	8-729-900-80 TRANSISTOR	DTC114ES	R63	1-249-421-11 CARBO		1/4₩
4000	0 120 000 00 INDECTOR	21011110	R64	1-249-425-11 CARBO		1/4W
	< RESISTOR	>	NO.	1 210 120 11 OMEX	21 11 54	1/ 1n
	\ ILDIDION		R65	1-249-425-11 CARBO	ON 4.7K 5%	1/4W
R1	1-249-411-11 CARBON	330 5% 1/4W	R66	1-249-405-11 CARBO		1/4W
R2	1-249-393-11 CARBON	10 5% 1/4W (H150:G, IT)	R67	1-249-423-11 CARBO		
R2	1-249-411-11 CARBON	330 5% 1/4W	1.01	2 010 100 11 0110		:AEP, EE, G, IT/H500)
ILZ	1 210 111 11 0/1000	(EXCEPT H150:G, IT)	R68	1-249-414-11 CARBO		
R3	1-247-891-00 CARBON	330K 5% 1/4W		2 210 121 12 01100		: AEP, EE, G, IT/H500)
R4	1-249-411-11 CARBON	330 5% 1/4W	R69	1-249-417-11 CARBO	· ·	
11-1	1 DIV III II CINCON	2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,				:AEP, EE, G, IT/H500)
R5	1-247-891-00 CARBON	330K 5% 1/4W (H150:G, IT)			(200	11.001 (3.0) (1.1) (1.000)
R6	1-249-411-11 CARBON	330 5% 1/4W (H150:G, IT)	R70	1-249-410-11 CARBO	ON 270 5%	1/4W
R7	1-249-405-11 CARBON	100 5% 1/4W	N.O	1 210 110 11 CMDA		:AEP, EE, G, IT/H500)
	1-249-441-11 CARBON	100K 5% 1/4W	R71	1-249-433-11 CARBO		1/4W
R8 R9	1-249-441-11 CARBON 1-249-437-11 CARBON	47K 5% 1/4W	K/I	1 210 100 II CARDO		1/4W D:AEP, EE, G, IT/H500)
кэ	1-649-431-11 CARDON	11N J/0 1/4#	R72	1-249-421-11 CARBO		
D10	1_2/Q_/2E_11 CADDOM	4.7K 5% 1/4W	R12	1 445 441 II CARDO):AEP, EE, G, IT/H500)
R10	1-249-425-11 CARBON		R73	1-249-425-11 CARBO		
מומ	1_9/0_/91_11 CADDOM	(H150:AEP, EE, G, IT/H500)	V19	1"449"440"II CARBO		
R10	1-249-421-11 CARBON	2. 2K 5% 1/4W (HISO-F FA IF AUS)	R74	1-249-425-11 CARBO		1:AEP, EE, G, IT/H500) 1/4W
D11	1_240_420_11 CADDOM	(H150:E, EA, JE, AUS)	R/4	1-249-429-11 CARBO		
R11	1-249-429-11 CARBON	10K 5% 1/4W			(1150):AEP, EE, G, IT/H500)
		(H150:E, EA, JE, AUS)	l			

22 1-249-417-11 CARBON 1K 5K 1/4W 222 1-249-417-11 CARBON 1K 5K 1/4W 223 1-249-427-11 CARBON 1G 5K 1/4W 223 1-249-427-11 CARBON 1K 5K 1/4W 223 1-249-427-11 CARBON 1K 5K 1/4W 223 1-249-427-11 CARBON 1K 5K 1/4W 223 1-249-417-11 CARBON 2K 5K 1/4W 2K 2K 1-249-417-11 CARBON 1K 5K 1/4W 2K 2K 1-249-417-11 CARBON 1K 5K 1/4W 2K 2K 1-249-417-11 CARBON 2K 5K 1/4W 2K 2K 1-249-417-11 CARBON 1K 5K 1/4W 2K 2K 1-249-417-11 CARBON 1K 5K 1/4W 2K 2K 1-249-417-11 CARBON 1K 5K 1/4W 2K 1-249-417-11 CARBON 1K 5K 1/4W 2K 1-249-417-11 CARBON 1K 5K 1/4W 2K 2K 1-249-417-11 CARBON 1K 5K 1/4W 2K 1-249-417-11 CARBON	Ref. No.	Part No.	Desc	cription			<u>Remarks</u>	Ref. No.	Part No.	<u>De</u>	scription			Remarks
22	R75	1-249-393-11	CARBON	10	5%	1/4W		R224	1-249-417-11	CARBON	1K	5%	1/4W	
33 1-249-19-11 CARBON	R81	1-249-433-11	CARBON	22K	5%	1/4W		Ř225	1-249-417-11	CARBON	1K	5%	1/4W	
1-249-429-11 CABBON	R82	1-249-417-11	CARBON	1K	5%	1/4W		R226	1-249-417-11	CARBON	1K	5%	1/4W	
\$\$ 1.248-429-11 CABBON 10K 5X 1/4W 2234 1-248-339-11 CABBON 10K 5X 1/4W 2234 1-248-339-11 CABBON 10K 5X 1/4W 2234 1-248-339-11 CABBON 10K 5X 1/4W 2235 1-248-417-11 CABBON 10K 5X 1/4W 2236 1-248-417-11 CABBON 10K 5X 1/4W 2239 1-248-421-11 CABBON 10K 5X 1/4W 2239 1-248-421-11 CABBON 10K 5X 1/4W 2239 1-248-431-11 CABBON 22X 5X 1/4W 2239 1-248-431-11 CABBON 22X 5X 1/4W 2239 1-248-431-11 CABBON 22X 5X 1/4W 2239 1-248-431-11 CABBON 10K 5X 1/4W 2239 1-248-431-11 CABBON 22X 5X 1/4W 2239 1-248-431-11 CABBON 22X 5X 1/4W 2239 1-248-431-11 CABBON 10K 5X 1/4W 2239 1-248-43	R83	1-249-399-11	CARBON	33	5%	1/4W		R231	1-249-429-11	CARBON	10K	5%	1/4W	
88 1-249-497-11 CABBON	R84	1-249-429-11	CARBON	10K	5%	1/4W		R232	1-249-425-11	CARBON	4. 7K	5%	1/4W	
87 1-249-409-11 CABBON 220 SK 1/4F	R85	1-249-429-11	CARBON	10K	5%	1/4W		R233	1-249-429-11	CARBON	10K	5%	1/4W	
88 1-249-429-11 CARBON 10K 5% 1/4W R237 1-249-419-11 CARBON 1.5K 5% 1/4W R237 1-249-419-11 CARBON 1.5K 5% 1/4W R237 1-249-419-11 CARBON 1.5K 5% 1/4W R238 1-249-419-11 CARBON 1.5K 5% 1/4W R238 1-249-419-11 CARBON 2.2K 5% 1/4W R238 1-249-419-11 CARBON 1.5K 5% 1/4W R238 1-249-417-11 CARBON 2.2K 5% 1/4W R238 1-249-417-11 CARBON 2.2K 5% 1/4W R238 1-249-417-11 CARBON 2.2K 5% 1/4W R238 1-249-427-11 CARBON 1.5K 5% 1/4W R238 1-249-427-11 CARBON 1.5K 5% 1/4W R238 1-249-427-11 CARBON 1.5K 5% 1/4W R238 1-249-429-11 CARBON 1.5K 5% 1/4W R238 1-249-427-11 CARBON 1.5K 5% 1/	R86	1-249-437-11	CARBON	47K	5%	1/4W		R234	1-249-393-11	CARBON	10	5%	1/4W	
1-249-429-11 CARBON	R87	1-249-409-11	CARBON	220	5%	1/4W		R235	1-249-417-11	CARBON	1K	5%	1/4W	
1-249-429-11 (LARBON 10K 5X 1/4F R237 1-249-419-11 (LARBON 1.5K 5K 1/4F 1-249-412-11 (LARBON 2.2K 5K 1/4F R238 1-249-413-11 (LARBON 1.5K 5K 1/4F R238 1-249-413-11 (LARBON 1.5K 5K 1/4F R238 1-249-413-11 (LARBON 22K 5K 1/4F R238 1-249-413-11 (LARBON 470 5X 1/4F R241 1-244-413-11 (LARBON 470 5X 1/4F R241 1-244-413-11 (LARBON 1K 5X 1/4F R241 1-244-413-11 (LARBON 1K 5X 1/4F R241 1-244-413-11 (LARBON 330 5K 1/4F R241 1-249-417-11 (LARBON 22K 5X 1/4F R241 1-249-417-11 (LARBON 22K 5X 1/4F R241 1-249-417-11 (LARBON 22K 5X 1/4F R249 1-249-429-11 (LARBON 1K 5X 1/4F R249 1-249-429-11 (LARBON 1K 5X 1/4F R249 1-249-429-11 (LARBON 1K 5X 1/4F R249 1-249-439-11 (LARBON 100 5X 1/4F	R88	1-249-429-11	CARBON	10K	5%	1/4W		R236	1-249-417-11	CARBON	1K	5%		
91 1-249-421-11 CARBON	R89	1-249-429-11	CARBON	10K	5%	1/4W		R237	1-249-419-11	CARBON	1. 5K	5%		
22 1-247-891-00 CABBON 330K SX 1/4W R241 1-249-417-11 CABBON 470 SX 1/4W R242 1-249-417-11 CABBON 1K SX 1/4W R243 1-249-417-11 CABBON 1K SX 1/4W R243 1-249-417-11 CABBON 1K SX 1/4W R243 1-249-417-11 CABBON 1K SX 1/4W R244 1-249-417-11 CABBON 1K SX 1/4W R244 1-249-417-11 CABBON 330 SX 1/4W R247 1-249-421-11 CABBON 2 2 55 1/4W R249 1-249-421-11 CABBON 10K 5X 1/4W R249 1-249-429-11 CABBON 1 1K 5X 1/4W R249 1-249-439-11 CABBON 1 1K 5X 1/4W R249 1-249-439-11 CABBON 1 1D 5X 1/4W R249 1-249-439-11 C	R90	1-249-421-11	CARBON	2. 2K	5%	1/4W		R238	1-249-419-11	CARBON	1. 5K	5%	1/4W	
1-249-417-11 CARBON	R91	1-249-421-11	CARBON	2. 2K	5%	1/4W		R239	1-249-433-11	CARBON	22K	5%	1/4W	
12-47-891-00 CABBON	R92	1-247-891-00	CARBON	330K	5%	1/4W		R241	1-249-413-11	CARBON	470	5%	1/4W	
1-249-417-11 CARBON	R93	1-247-891-00	CARBON	330K	5%	1/4W		R242	1-249-417-11	CARBON		5%		
1-249-425-11 CARBON	R94	1-249-417-11	CARBON	1K	5%	1/4W		R243	1-249-411-11	CARBON				
1	R95	1-249-417-11	CARBON	1K	5%	1/4W		R244	1-249-411-11	CARBON	330	5%	1/4W	
97 1-249-425-11 CARBON 82 5% 1/4W R249 1-249-433-11 CARBON 22% 5% 1/4W (EXCEPT BISO:C, IT) 88 1-249-420-11 CARBON 11	R96	1-249-425-11	CARBON	4. 7K	5%	1/4W		R245						
1-249-417-11 CARBON	R97	1-249-425-11	CARBON	4. 7K	5%	1/4W								
1-249-417-11 CARBON	R98	1-249-404-00	CARBON	82	5%	1/4W		1						
R250	R99	1-249-417-11	CARBON	1K	5%			R249						
1-249-420-11 CARBON						(EXCEPT	H150:G, IT)				,			
1-247-848-11 CARBON							4				10K	5%		
102 1-249-430-11 CARBON 12K 5X 1/4W R286 1-249-405-11 CARBON 100 5X 1/4W R287 1-249-405-11 CARBON 100 5X 1/4W R288 1-249-405-11 CARBON 100 5X 1/4W R289 1-249-405-11 CARBON 100 5X 1/4W R290 1-249-411-1 CARBON 100 5X 1/4W R290 1-249-411-1 CARBON 100 5X 1/4W R290 1-249-411-1 CARBON 470 5X 1/4W R291 1-249-411-11 CARBON 470 5X 1/4W R291 1-249-421-11 CARBON 470 5X 1/4W R291 1-249-437-11 CARBON 100 5X 1/4W R291 1-249-437-							(H150:G, IT)	I	1-249-425-11	CARBON	4. 7K	5%	1/4W	
103								R252	1-249-425-11	CARBON	4. 7K	5%	1/4W	
104								R286	1-249-405-11	CARBON	100	5%	1/4W	
R288 1-249-405-11 CARBON 100 5X 1/4W 106 1-249-417-11 CARBON 15K 5X 1/4W 174 107 1-249-417-11 CARBON 15K 5X 1/4W 1150:G, IT) R291 1-249-405-11 CARBON 100 5X 1/4W 1150:EE, G, IT) R291 1-249-413-11 CARBON 470 5X 1/4W 1150:EE, G, IT) R291 1-249-413-11 CARBON 470 5X 1/4W 1150:EE, G, IT) R292 1-249-413-11 CARBON 470 5X 1/4W 1150:EE, G, IT) R292 1-249-413-11 CARBON 470 5X 1/4W 1150:EE, G, IT) R292 1-249-413-11 CARBON 470 5X 1/4W 1150:EE, G, IT) R292 1-249-413-11 CARBON 470 5X 1/4W 1150:EE, G, IT) R292 1-249-413-11 CARBON 470 5X 1/4W 1150:EE, G, IT) R293 1-249-413-11 CARBON 470 5X 1/4W 1150:EE, G, IT) R294 1-249-413-11 CARBON 470 5X 1/4W 1150:EE, G, IT) R294 1-249-413-11 CARBON 470 5X 1/4W 1150:EE, G, IT) R294 1-249-413-11 CARBON 470 5X 1/4W 1150:EE, G, IT) R294 1-249-413-11 CARBON 470 5X 1/4W 1150:EE, G, IT) R294 1-249-413-11 CARBON 470 5X 1/4W 1150:EE, G, IT) R294 1-249-413-11 CARBON 470 5X 1/4W R295 1-249-405-11 CARBON 100 5X 1/4W 1150:EE, G, IT) R294 1-249-423-11 CARBON 100 5X 1/4W R295 1-249-405-11 CARBON 100 5X 1/4W 1150:EE, G, IT) R294 1-249-405-11 CARBON 100 5X 1/4W R295 1-249-405-11 CARBON 100 5X 1/4W R296 1-249-437-11 CARBON 47K 5X 1/4W R296 1-249-405-11 CARBON 100 5X 1/4W R296 1-249-437-11 CARBON 100 5X 1/4W R296 1-249-425-11 CARBON 100 5X 1/4W								R287	1-249-405-11	CARBON	100	5%	1/4W	
105 1-249-431-11 CARBON 15K 5X 1/4W R289 1-249-405-11 CARBON 100 5X 1/4W 106 1-249-417-11 CARBON 1K 5X 1/4W R290 1-249-405-11 CARBON 470 5X 1/4W 107 1-249-413-11 CARBON 12K 5X 1/4W (H150:G, IT) R291 1-249-413-11 CARBON 470 5X 1/4W 1081 1-249-423-11 CARBON 470 5X 1/4W 1081 1-249-437-11 CARBON 470 5X 1/4W 1081 1-249-426-11 CARBON 470 5X 1/4W 1081 1-249	KIU4	1-249-435-11	CARBON	33K	5%	1/4W			1 040 405 44					
1.06	D105	1_9/0_/31_11	CADDON	107	EW	1 /AW		1						
107 1-249-431-11 CARBON 12K 5% 1/4W (H150:G, IT) 132 1-249-441-11 CARBON 1K 5% 1/4W (H150:EE, G, IT) 132 1-249-441-11 CARBON 1N 5% 1/4W (H150:EE, G, IT) 133 1-249-441-11 CARBON 10N 5% 1/4W 1201 1-249-441-11 CARBON 10N 5% 1/4W 1202 1-249-441-11 CARBON 10N 5% 1/4W 1202 1-249-441-11 CARBON 10N 5% 1/4W 1203 1-249-421-11 CARBON 2. 7K 5% 1/4W 1204 1-249-422-11 CARBON 2. 7K 5% 1/4W 1205 1-249-437-11 CARBON 2. 7K 5% 1/4W 1206 1-249-437-11 CARBON 47K 5% 1/4W 1206 1-249-437-11 CARBON 47K 5% 1/4W 1207 1-249-437-11 CARBON 47K 5% 1/4W 1208 1-249-437-11 CARBON 47K 5% 1/4W 1209 1-249-420-11 CARBON 100K 5% 1/4W 1209 1-249-420-1								1						
1-249-417-11 CARBON						· · · · · ·	(U1EA.C IT)	i						
1-249-441-11 CARBON 100K 5% 1/4\frac{1}{4\frac								1						
1-249-441-11 CARBON 100K 5% 1/4W R294 1-249-413-11 CARBON 470 5% 1/4W R295 1-249-405-11 CARBON 100 5% 1/4W R296 1-249-405-11 CARBON 100 5% 1/4W R297 1-249-405-11 CARBON 100 5% 1/4W R297 1-249-405-11 CARBON 100 5% 1/4W R298 1-249-405-11 CARBON 100 5% 1/4W R298 1-249-405-11 CARBON 100K 5% 1/4W R298 1-249-405-11 CARBON 100K 5% 1/4W R299 1-249-429-11 CARBON 100K 5% 1/4W R299 1-249-429-11 CARBON 100K 5% 1/4W R299 1-249-429-11 CARBON 100K 5% 1/4W R299 1-249-418-11 CARBON 100K 5% 1/4W R299 1-249-411-11 CARBON 100K 5% 1/4W R299 1-249-426-11 CARBON 100K 5% 1/4W R299 1-249							(1130:66, 6, 11)	RZ9Z	1-249-413-11	CARBUN	470	5%	1/4₩	
203 1-249-422-11 CARBON 2.7K 5% 1/4W R295 1-249-405-11 CARBON 100 5% 1/4W R296 1-249-405-11 CARBON 100 5% 1/4W R296 1-249-405-11 CARBON 100 5% 1/4W R296 1-249-437-11 CARBON 47K 5% 1/4W R297 1-249-405-11 CARBON 100 5% 1/4W R296 1-249-405-11 CARBON 100 5% 1/4W R297 1-249-405-11 CARBON 100 5% 1/4W R297 1-249-405-11 CARBON 100 5% 1/4W R299 1-249-405-11 CARBON 100 5% 1/4W R299 1-249-441-11 CARBON 100 5% 1/4W R299 1-249-441-11 CARBON 100 5% 1/4W R601 1-247-881-00 CARBON 120K 5% 1/4W R601 1-249-437-11 CARBON 100 5% 1/4W R602 1-249-405-11 CARBON 100 5% 1/4W R602 1-249-405-11 CARBON 100 5% 1/4W R603 1-249-423-11 CARBON 130K 5% 1/4W R603 1-249-423-11 CARBON 130K 5% 1/4W R604 1-249-423-11 CARBON 130K 5% 1/4W R605 1-249-425-11 CARBON 130K 5% 1/4W R605 1-249-425-11 CARBON 100K 5% 1/4W R606 1-249-441-11 CARBON 100K 5% 1/4W R606 1-249-441-11 CARBON 100K 5% 1/4W R606 1-249-441-11 CARBON 100K 5% 1/4W R607 1-249-441-11 CARBON 100K 5% 1/4W R607 1-249-441-11 CARBON 1.2K 5% 1/4W R607 1-249-441-11 CARBON 1.2K 5% 1/4W R609 1-249-442-11 CARBON 1.2K 5% 1/4W R611 1-249-442-11 CARBON 1.2K 5% 1/4W R611 1-249-442-11 CARBON 1.2K 5% 1/4W R611 1-249-441-11 CARBON 1.2K 5% 1/4W R611 1-249-441-11 CARBON 1.2K 5% 1/4W R611 1-249-445-11 CARBON 1.3K 5% 1/4W R611 1-249-426-11 CARBON 1.3K 5% 1/4W R611 1-24								R293	1-249-413-11	CARBON	470	5%	1/4W	
1-249-422-11 CARBON 2.7K 5% 1/4W R296 1-249-405-11 CARBON 100 5% 1/4W R296 1-249-437-11 CARBON 47K 5% 1/4W R297 1-249-405-11 CARBON 100 5% 1/4W R297 1-249-437-11 CARBON 100 5% 1/4W R298 1-249-437-11 CARBON 100K 5% 1/4W R601 1-247-881-00 CARBON 120K 5% 1/4W R602 1-249-437-11 CARBON 100K 5% 1/4W R602 1-249-405-11 CARBON 100 5% 1/4W R603 1-247-882-11 CARBON 130K 5% 1/4W R603 1-247-882-11 CARBON 130K 5% 1/4W R604 1-249-426-11 CARBON 130K 5% 1/4W R605 1-249-426-11 CARBON 100K 5% 1/4W R605 1-249-409-11 CARBON 100K 5% 1/4W R605 1-249-409-11 CARBON 100K 5% 1/4W R606 1-249-441-11 CARBON 100K 5% 1/4W R607 1-249-441-11 CARBON 100K 5% 1/4W R607 1-249-429-11 CARBON 1.2K 5% 1/4W R609 1-249-429-11 CARBON 1.2K 5% 1/4W R609 1-249-420-11 CARBON 1.8K 5% 1/4W R610 1-247-881-00 CARBON 1.2K 5% 1/4W R611 1-247-881-00 CARBON 1.20K 5% 1/4W R613 1-249-411-11 CARBON 1.30K 5% 1/4W R613 1-249-426-11 CARBON 1.30K 5% 1/4W R613 1-249-426-11 CARBON 1.30K 5% 1/4W R613 1-249-426-11 CARBON 1.30K 5% 1/4W R614 1-249-426-11 CARBON 1.30K 5% 1/4W R614 1-249-426-11 CARBON 1.30K 5% 1/4W R614 1-249-426-11 CARBON 1.30K 5% 1/4W R615 1-249-426-11 CARBON 1.30K 5% 1						1/4W		R294	1-249-413-11	CARBON	470	5%	1/4W	
1-249-437-11 CARBON 47K 5% 1/4W R297 1-249-405-11 CARBON 100 5% 1/4W R298 1-249-437-11 CARBON 47K 5% 1/4W R299 1-249-441-11 CARBON 100 5% 1/4W R208 1-249-437-11 CARBON 47K 5% 1/4W R299 1-249-441-11 CARBON 100K 5% 1/4W R601 1-247-881-00 CARBON 120K 5% 1/4W R601 1-249-405-11 CARBON 100K 5% 1/4W R602 1-249-405-11 CARBON 100K 5% 1/4W R602 1-249-405-11 CARBON 130K 5% 1/4W R603 1-247-882-11 CARBON 130K 5% 1/4W R603 1-247-882-11 CARBON 130K 5% 1/4W R603 1-249-423-11 CARBON 130K 5% 1/4W R604 1-249-425-11 CARBON 100K 5% 1/4W R605 1-249-429-11 CARBON 100K 5% 1/4W R605 1-249-429-11 CARBON 100K 5% 1/4W R606 1-249-411-11 CARBON 100K 5% 1/4W R607 1-249-411-11 CARBON 1.2K 5% 1/4W R609 1-249-420-11 CARBON 1.2K 5% 1/4W R611 1-247-881-00 CARBON 1.2K 5% 1/4W R611 1-249-411-11 CARBON 1.2K 5% 1/4W R611 1-249-420-11 CARBON 1.2K 5% 1/4W R611 1-249-411-11 CARBON 1.2K 5% 1/4W R611 1-249-420-11 CARBON 1.2K 5% 1/4W R611								R295	1-249-405-11	CARBON	100	5%	1/4W	
R298 1-249-437-11 CARBON 47K 5% 1/4W R299 1-249-441-11 CARBON 100K 5% 1/4W R299 1-249-441-11 CARBON 100K 5% 1/4W R601 1-247-881-00 CARBON 120K 5% 1/4W R602 1-249-441-11 CARBON 100K 5% 1/4W R602 1-249-445-11 CARBON 100K 5% 1/4W R602 1-249-437-11 CARBON 100K 5% 1/4W R603 1-247-882-11 CARBON 130K 5% 1/4W R603 1-247-882-11 CARBON 130K 5% 1/4W R604 1-249-423-11 CARBON 130K 5% 1/4W R605 1-249-423-11 CARBON 220 5% 1/4W R606 1-249-429-11 CARBON 100K 5% 1/4W R606 1-249-441-11 CARBON 100K 5% 1/4W R606 1-249-441-11 CARBON 100K 5% 1/4W R607 1-249-429-11 CARBON 1.2K 5% 1/4W R609 1-249-420-11 CARBON 1.2K 5% 1/4					5%			R296	1-249-405-11	CARBON	100	5%	1/4W	
R298 1-249-437-11 CARBON 100 5% 1/4W 208 1-249-437-11 CARBON 47K 5% 1/4W 209 1-249-441-11 CARBON 100K 5% 1/4W 209 1-249-441-11 CARBON 100K 5% 1/4W 209 1-249-441-11 CARBON 100K 5% 1/4W 210 1-249-437-11 CARBON 47K 5% 1/4W 210 1-249-437-11 CARBON 47K 5% 1/4W 211 1-249-437-11 CARBON 47K 5% 1/4W 211 1-249-423-11 CARBON 3.3K 5% 1/4W 212 1-249-423-11 CARBON 3.3K 5% 1/4W 213 1-249-423-11 CARBON 3.3K 5% 1/4W 214 1-249-423-11 CARBON 10K 5% 1/4W 215 1-249-429-11 CARBON 10K 5% 1/4W 216 1-249-429-11 CARBON 47K 5% 1/4W 217 1-249-437-11 CARBON 10K 5% 1/4W 218 1-249-437-11 CARBON 10K 5% 1/4W 219 1-249-441-11 CARBON 10K 5% 1/4W 210 1-249-441-11 CARBON 1.2K 5% 1/4W 211 1-249-437-11 CARBON 10K 5% 1/4W 212 1-249-437-11 CARBON 10K 5% 1/4W 213 1-249-437-11 CARBON 10K 5% 1/4W 214 1-249-437-11 CARBON 10K 5% 1/4W 215 1-249-431-11 CARBON 10K 5% 1/4W 216 1-249-441-11 CARBON 10K 5% 1/4W 217 1-249-441-11 CARBON 10K 5% 1/4W 218 1-249-411-11 CARBON 330 5% 1/4W 219 1-249-411-11 CARBON 330 5% 1/4W 219 1-249-417-11 CARBON 1K 5% 1/4W 219 1-249-417-11 CARBON 1K 5% 1/4W 219 1-249-417-11 CARBON 1K 5% 1/4W 210 1-249-421-11 CARBON 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								R297	1-249-405-11	CARBON	100	5%	1/4W	
1-249-437-11 CARBON 47K 5% 1/4W R299 1-249-441-11 CARBON 100K 5% 1/4W R601 1-247-881-00 CARBON 120K 5% 1/4W R602 1-249-405-11 CARBON 100K 5% 1/4W R602 1-249-405-11 CARBON 100K 5% 1/4W R603 1-247-882-11 CARBON 130K 5% 1/4W R603 1-247-882-11 CARBON 130K 5% 1/4W R603 1-247-882-11 CARBON 130K 5% 1/4W R604 1-249-426-11 CARBON 130K 5% 1/4W R605 1-249-409-11 CARBON 220 5% 1/4W R606 1-249-441-11 CARBON 100K 5% 1/4W R606 1-249-441-11 CARBON 100K 5% 1/4W R607 1-249-429-11 CARBON 1.2K 5% 1/4W R609 1-249-420-11 CARBON 1.2K 5% 1/4W R60	K200	1-249-437-11	CARBON	47K	5%	1/4W		D200	1 940 405 11	CADDON	100	PA7	4 /400	
1-249-437-11 CARBON 47K 5% 1/4W R601 1-247-881-00 CARBON 120K 5% 1/4W R602 1-249-441-11 CARBON 100K 5% 1/4W R602 1-249-405-11 CARBON 100 5% 1/4W R603 1-247-882-11 CARBON 130K 5% 1/4W R603 1-247-882-11 CARBON 130K 5% 1/4W R603 1-247-882-11 CARBON 130K 5% 1/4W R604 1-249-423-11 CARBON 130K 5% 1/4W R605 1-249-426-11 CARBON 100K 5% 1/4W R605 1-249-409-11 CARBON 100K 5% 1/4W R606 1-249-441-11 CARBON 100K 5% 1/4W R606 1-249-441-11 CARBON 100K 5% 1/4W R607 1-249-418-11 CARBON 1.2K 5% 1/4W R609 1-249-420-11 CARBON 1.2K 5% 1/4W R610 1-247-881-00 CARBON 1.2K 5% 1/4W R611 1-247-881-00 CARBON 1.2K 5% 1/4W R611 1-247-881-00 CARBON 1.2K 5% 1/4W R612 1-249-405-11 CARBON 100K 5% 1/4W R612 1-249-405-11 CARBON 130K 5% 1/4W R613 1-247-882-11 CARBON 130K 5% 1/4W R613 1-247-882-11 CARBON 130K 5% 1/4W R614 1-249-426-11 CARBON 5.6K 1/4W R614 1-249-426-11 CARBON 5.6K 1/4W R614 1-249-	R207	1-2/0-/37-11	CADRON	ATK	E 9/	1 /AW		1						
1-249-441-11 CARBON 100K 5% 1/4W R602 1-249-405-11 CARBON 130K 5% 1/4W R603 1-247-882-11 CARBON 130K 5% 1/4W R603 1-247-882-11 CARBON 130K 5% 1/4W R604 1-249-423-11 CARBON 130K 5% 1/4W R605 1-249-409-11 CARBON 220 5% 1/4W R606 1-249-441-11 CARBON 100K 5% 1/4W R606 1-249-441-11 CARBON 100K 5% 1/4W R607 1-249-429-11 CARBON 1.2K 5% 1/4W R607 1-249-429-11 CARBON 1.2K 5% 1/4W R609 1-249-420-11 CARBON 1.8K 5% 1/4W R609 1-249-441-11 CARBON 1.8K 5% 1/4W R609 1-249-441-11 CARBON 1.8K 5% 1/4W R609 1-249-441-11 CARBON 1.8K 5% 1/4W R610 1-247-887-00 CARBON 1.2K 5% 1/4W R611 1-247-881-00 CARBON 1.2K 5% 1/4W R612 1-249-411-11 CARBON 1.0K 5% 1/4W R613 1-249-45-11 CARBON 1.0K 5% 1/4W R613 1-249-45-11 CARBON 1.0K 5% 1/4W R613 1-249-45-11 CARBON 1.0K 5% 1/4W R613 1-247-882-11 CARBON 1.0K 5% 1/4W R614 1-249-45-11 CARBON 1.0K 5% 1/4W R614 1-249-45-11 CARBON 1.0K 5% 1/4W R614 1-249-45-11 CARBON 1.0K 5% 1/4W R615 1-249-45-11 CARBON 1.0K 5% 1/4W R616 1-249-45-11 CARBON 1.0K 5% 1/4W R616 1-249-45-11 CARBON 1.0K 5% 1/4W R617 1-249-45-11 CARBON 1.0K 5% 1/4W R618 1-249-45-11 CARBON 1.0K 5% 1/4W R619 1-249-45-11 CARBON														
1-249-437-11 CARBON														
211 1-249-423-11 CARBON 3. 3K 5% 1/4W R604 1-249-426-11 CARBON 5. 6K 5% 1/4W R605 1-249-409-11 CARBON 220 5% 1/4W 213 1-249-429-11 CARBON 10K 5% 1/4W R606 1-249-441-11 CARBON 100K 5% 1/4W R607 1-249-418-11 CARBON 1. 2K 5% 1/4W R609 1-249-420-11 CARBON 1. 8K 5% 1/4W R609 1-249-420-11 CARBON 1. 8K 5% 1/4W R610 1-247-887-00 CARBON 220K 5% 1/4W R610 1-247-881-00 CARBON 120K 5% 1/4W R611 1-247-881-00 CARBON 120K 5% 1/4W R612 1-249-411-11 CARBON 100 5% 1/4W R613 1-249-405-11 CARBON 130K 5% 1/4W R614 1-249-426-11 CARBON 130K 5% 1/4W R614 1-249-426-11 CARBON 5. 6K 5% 1/4W														
212 1-249-423-11 CARBON 3.3K 5% 1/4W R605 1-249-409-11 CARBON 220 5% 1/4W 213 1-249-429-11 CARBON 10K 5% 1/4W R606 1-249-441-11 CARBON 10OK 5% 1/4W 214 1-249-437-11 CARBON 47K 5% 1/4W R607 1-249-418-11 CARBON 1.2K 5% 1/4W 215 1-249-429-11 CARBON 10K 5% 1/4W R609 1-249-420-11 CARBON 1.8K 5% 1/4W 216 1-249-441-11 CARBON 10OK 5% 1/4W 217 1-249-441-11 CARBON 330 5% 1/4W 218 1-249-411-11 CARBON 330 5% 1/4W 219 1-249-417-11 CARBON 330 5% 1/4W 219 1-249-417-11 CARBON 1K 5% 1/4W 219 1-249-417-11 CARBON 1K 5% 1/4W 220 1-249-421-11 CARBON 2.2K 5% 1/4W 220 1-249-421-11 CARBON 5.6K 5% 1/4W								KOUS	1-247-882-11	CARBON	130K	5%	1/4W	
213 1-249-429-11 CARBON 10K 5% 1/4W R606 1-249-441-11 CARBON 10OK 5% 1/4W 214 1-249-437-11 CARBON 47K 5% 1/4W R607 1-249-418-11 CARBON 1.2K 5% 1/4W 215 1-249-429-11 CARBON 10K 5% 1/4W R609 1-249-420-11 CARBON 1.8K 5% 1/4W 216 1-249-441-11 CARBON 10OK 5% 1/4W 217 1-249-441-11 CARBON 330 5% 1/4W 218 1-249-411-11 CARBON 330 5% 1/4W 219 1-249-417-11 CARBON 330 5% 1/4W 219 1-249-417-11 CARBON 1K 5% 1/4W 219 1-249-417-11 CARBON 1K 5% 1/4W 219 1-249-417-11 CARBON 2.2K 5% 1/4W 220 1-249-421-11 CARBON 2.2K 5% 1/4W 220 1-249-421-11 CARBON 5.6K 5% 1/4W								R604	1-249-426-11	CARBON	5. 6K	5%	1/4W	
214 1-249-437-11 CARBON 47K 5% 1/4W R607 1-249-418-11 CARBON 1. 2K 5% 1/4W 215 1-249-429-11 CARBON 10K 5% 1/4W R609 1-249-420-11 CARBON 1. 8K 5% 1/4W 216 1-249-441-11 CARBON 100K 5% 1/4W 217 1-249-411-11 CARBON 330 5% 1/4W R611 1-247-881-00 CARBON 120K 5% 1/4W 218 1-249-411-11 CARBON 330 5% 1/4W R612 1-249-405-11 CARBON 100 5% 1/4W 219 1-249-417-11 CARBON 1K 5% 1/4W R613 1-247-882-11 CARBON 130K 5% 1/4W 219 1-249-417-11 CARBON 1 5% 1/4W R613 1-247-882-11 CARBON 130K 5% 1/4W 220 1-249-421-11 CARBON 2. 2K 5% 1/4W R614 1-249-426-11 CARBON 5. 6K 5% 1/4W		1-249-423-11	CARBON	3. 3K	5%	1/4W		R605	1-249-409-11	CARBON	220	5%	1/4W	
215 1-249-429-11 CARBON 10K 5% 1/4W R609 1-249-420-11 CARBON 1.8K 5% 1/4W 216 1-249-441-11 CARBON 100K 5% 1/4W R610 1-247-887-00 CARBON 220K 5% 1/4W 217 1-249-411-11 CARBON 330 5% 1/4W R611 1-247-881-00 CARBON 120K 5% 1/4W 218 1-249-411-11 CARBON 330 5% 1/4W R612 1-249-405-11 CARBON 100 5% 1/4W 219 1-249-417-11 CARBON 1K 5% 1/4W R613 1-247-882-11 CARBON 130K 5% 1/4W 219 1-249-421-11 CARBON 2.2K 5% 1/4W R614 1-249-426-11 CARBON 5.6K 5% 1/4W				10K	5%			R606	1-249-441-11	CARBON	100K	5%	1/4W	
216 1-249-441-11 CARBON 100K 5% 1/4W R610 1-247-887-00 CARBON 220K 5% 1/4W 217 1-249-411-11 CARBON 330 5% 1/4W R611 1-247-881-00 CARBON 120K 5% 1/4W R612 1-249-405-11 CARBON 100 5% 1/4W R613 1-249-405-11 CARBON 100 5% 1/4W R613 1-247-882-11 CARBON 130K 5% 1/4W R613 1-249-421-11 CARBON 130K 5% 1/4W R614 1-249-426-11 CARBON 5. 6K 5% 1/4W						1/4W		R607	1-249-418-11	CARBON	1. 2K	5%	1/4W	
R610 1-247-887-00 CARBON 220K 5% 1/4W 217 1-249-411-11 CARBON 330 5% 1/4W 218 1-249-411-11 CARBON 330 5% 1/4W 219 1-249-417-11 CARBON 1K 5% 1/4W 219 1-249-417-11 CARBON 1K 5% 1/4W 220 1-249-421-11 CARBON 2.2K 5% 1/4W 220 1-249-421-11 CARBON 5.6K 5% 1/4W 220 1-249-421-11 CARBON 5.6K 5% 1/4W								R609	1-249-420-11	CARBON	1. 8K	5%	1/4W	
217 1-249-411-11 CARBON 330 5% 1/4W R611 1-247-881-00 CARBON 120K 5% 1/4W 218 1-249-411-11 CARBON 330 5% 1/4W R612 1-249-405-11 CARBON 100 5% 1/4W 219 1-249-417-11 CARBON 1K 5% 1/4W R613 1-247-882-11 CARBON 130K 5% 1/4W 220 1-249-421-11 CARBON 2. 2K 5% 1/4W R614 1-249-426-11 CARBON 5. 6K 5% 1/4W	R216	1-249-441-11	CARBON	100K	5%	1/4W		D610	1_947_007_^^	CADDON	2202	ΕM	1 //₩	
218 1-249-411-11 CARBON 330 5% 1/4W R612 1-249-405-11 CARBON 100 5% 1/4W R613 1-249-417-11 CARBON 11K 5% 1/4W R613 1-247-882-11 CARBON 130K 5% 1/4W R614 1-249-426-11 CARBON 5. 6K 5% 1/4W	R217	1-249-411-11	CARBON	330	5%	1/4W		j						
219 1-249-417-11 CARBON 1K 5% 1/4W R613 1-247-882-11 CARBON 130K 5% 1/4W R614 1-249-426-11 CARBON 5. 6K 5% 1/4W								i						
220 1-249-421-11 CARBON 2. 2K 5% 1/4W R614 1-249-426-11 CARBON 5. 6K 5% 1/4W								i						
				1K	5%	1/4W			11		0. Jn	- A	a/ ##	

Ref. No.	. Part No.	<u>Description</u>	Remarks Ref. N	o. Part No.	Description		<u>Remarks</u>
R615	1-249-409-11 CARE	BON 220 5% 1/4W	R716	1-249-441-11	CARBON 100K	5%	1/4W
R616	1-249-441-11 CARE		R717	1-249-429-11		5%	1/4W
R617	1-249-441-11 CARE		R721	1-249-417-11		5%	1/4W
R621	1-249-417-11 CARE		R722	1-249-431-11	CARBON 15K	5%	1/4W
R622	1-249-437-11 CARE		R723	1-249-427-11	CARBON 6.8K	5%	1/4W
						(EXCE	PT H150:US, CND)
R623	1-249-437-11 CARE						
		(H150: AEP, EE,	G, IT/H500) R724	1-249-437-11			1/4W
R624	1-247-897-11 CARE						AEP, EE, G, IT/H500)
		(H150: AEP, EE,		1-249-421-11			1/4W
R625	1-249-417-11 CARE		R726	1-249-437-11		5% 5%	1/4W 1/6W
Daga	1 040 405 11 0405	(H150: AEP, EE,	G, IT/H500) R727	1-249-388-11 1-249-421-11			1/4W
R626	1-249-425-11 CARE 1-249-437-11 CARE		KISI	1-245 421 11	CARDON E. ER	070	1/ 1/
R627	1-249-437-11 CARE	50N 47R 5% 1/4W	R732	1-249-425-11	CARBON 4.7K	5%	1/4W
R651	1-247-881-00 CARE	BON 120K 5% 1/4W	R733	1-249-429-11		5%	1/4W
R652	1-249-405-11 CARE		R734	1-249-437-11		5%	1/4W
R653	1-247-882-11 CARE		R735	1-249-413-11		5%	1/4W
R654	1-249-426-11 CARE		R736	1-249-411-11		5%	1/4W
R655	1-249-409-11 CARE						
			R737	1-249-405-11	CARBON 100	5%	1/4W
R656	1-249-441-11 CARE	BON 100K 5% 1/4W	R738	1-249-414-11	CARBON 560	5%	1/4W
R657	1-249-418-11 CARE	BON 1.2K 5% 1/4W	R739	1-249-429-11	CARBON 10K	5%	1/4W
R659	1-249-420-11 CARE	BON 1.8K 5% 1/4W	R740	1-249-429-11	CARBON 10K	5%	1/4W
R660	1-247-887-00 CARE	BON 220K 5% 1/4W	R741	1-249-429-11	CARBON 10K	5%	1/4W
R661	1-247-881-00 CARE	BON 120K 5% 1/4W					
			R742	1-249-437-11		5%	1/4W
R662	1-249-405-11 CAR		R743	1-249-429-11		5%	1/4W
R663	1-247-882-11 CARE		R744	1-249-425-11			1/4W
R664	1-249-426-11 CAR		R747	1-249-405-11		5%	1/4W
R665	1-249-409-11 CAR	· ·	R748	1-249-405-11	CARBON 100	5%	1/4W
R666	1-249-441-11 CAR	BON 100K 5% 1/4W	para	1 040 497 11	CARRON 47V	EW	1 /AW
2074	1 040 417 41 0470	NOW 17 FW 1/4W	R751	1-249-437-11		5% 5%	1/4W 1/4W
R671	1-249-417-11 CAR		R752 R754	1-249-421-11 1-249-431-11		5%	1/4W
R672	1-249-437-11 CAR		R755	1-249-431-11		5%	1/4W
R673	1-249-437-11 CAR	(H150: AEP, EE,		1-249-426-11			1/4W
R674	1-247-897-11 CAR		d, 11/11000)	1 210 120 1	onibon or on	0,0	-/ -··
KUIT	1 241 001 11 CAR	(H150:AEP, EE,	G. IT/H500) R758	1-249-437-11	CARBON 47K	5%	1/4W
R675	1-249-417-11 CAR		R760	1-249-437-11		5%	1/4W
		(H150: AEP, EE,	G, IT/H500) R761	1-249-429-11	CARBON 10K	5%	1/4W
			R762	1-249-426-11		5%	1/4W
R676	1-249-425-11 CAR	BON 4.7K 5% 1/4W	R763	1-249-430-11	CARBON 12K	5%	1/4W
R677	1-249-437-11 CAR	BON 47K 5% 1/4W					
R701	1-249-437-11 CAR	BON 47K 5% 1/4W	R781	1-249-421-11	CARBON 2. 2K	5%	1/4W
R702	1-249-421-11 CAR	BON 2. 2K 5% 1/4W	R782	1-249-425-11	CARBON 4.7K	5%	1/4W
R704	1-249-431-11 CAR	BON 15K 5% 1/4W	R785	1-249-421-11			1/4W
			R786	1-249-421-11			1/4W
R705	1-249-437-11 CAR		R787	1-249-421-11	CARBON 2. 2K	5%	1/4W
R706	1-249-426-11 CAR	and the same of th					. /
R708	1-249-437-11 CARI		R788	1-249-421-11			1/4W
R709	1-247-870-11 CARI		R789	1-249-421-11			1/4W
R710	1-249-437-11 CARI	BON 47K 5% 1/4W	R790	1-249-421-11			1/4W 1/4W
D711	1_240, 420 11 CID	BON 10K 5% 1/4W	R791 R792	1-249-429-11 1-249-418-11			1/4W
R711 R712	1-249-429-11 CARI 1-249-426-11 CARI		N132	1 749-410_11	. VARDON 1. ZA	0.0	A) TIT
R713	1-249-430-11 CAR		R793	1-249-441-11	CARBON 100K	5%	1/4W
R714	1-249-430-11 CARI	The state of the s	R794	1-249-425-11			1/4W
R715	1-249-434-11 CAR		R795	1-249-429-11			1/4W
		-,	i				

POWER **CHAMICAL CONDENSOR** MAIN

Ref. No	. Part No.	<u>Des</u>	cription			Remarks	Ref.	No.	Part No.	Description	<u>on</u>	Remarks
R796	1-249-429-11	CARBON	10K	5%	1/4W					< SWITCH >		
R797	1-249-432-11		18K	5%	1/4W					Controll		
R798	1-249-421-11	CARBON	2. 2K	5%	1/4W		S701		1-554-088-00	SWITCH, KEY BO	ARD (SYSTEM RESET)	
R801	1-249-417-11	CARBON	1K	5%	1/4W		S721		1-572-185-11	SWITCH, SLIDE	(ISS) (H150: AEP, EE, G, IT,	/H500)
R802	1-249-438-11	CARBON	56K	5%	1/4W							
										< TRANSFORMER	>	
R803	1-249-413-11		470	5%	1/4W							
R804	1-249-438-11		56K	5%	1/4W		T1				(H150:E, EA, JE, AUS)	
R805	1-249-389-11		4, 7	5%	1/4W		T2) (H150:E, EA, JE, AUS)	
R826 R851	1-249-417-11 1-249-417-11		1K 1K	5% 5%	1/4W		T721		1-433-347-11	TRANSFORMER, B	IAS OSCILLATION	
VOOT	1-245-417-11	CARDON	11/	376	1/4W					< TERMINAL >		
R852	1-249-438-11	CARBON	56K	5%	1/4W					I I I I I I I I I I I I I I I I I I I		
R853	1-249-413-11		470	5%	1/4W		TB1	*	1-537-138-31	TERMINAL BOARD	(ANT) (H150: AEP, EE, G, I	r/H500)
R854	1-249-438-11	CARBON	56K	5%	1/4W							ANTENNA)
R855	1-249-389-11	CARBON	4. 7	5%	1/4W		TB1		1-537-238-21	TERMINAL BOARD	(H150:E, EA, US, CND, AUS)	
R871	1-249-429-11	CARBON	10K	5%	1/4W		TB801			TERMINAL BOARD		
R872	1-249-437-11			5%	1/4W					< TEST PIN >		
R873	1-249-429-11			5%	1/4W							
R874	1-247-883-00		150K		1/4W		TP81				CTOR (PC BOARD) 3P	
R875	1-249-421-11		2. 2K		1/4W		1				CTOR (PC BOARD) 3P	
R876	1-249-421-11	CAKBON	2. 2K	5%	1/4W		TP702	*	1-568-449-11	HOUSING, CONNE	CTOR (PC BOARD) 3P	
R877 A	1-212-881-11	FUSIRIF	100	5%	1/4W	P					(H150: AEP, EE, G, I7	(/H500)
R878	1-249-417-11			5%	1/4₩	•				< VIBRATOR >		
R879	1-249-417-11			5%	1/4W					VIDRATOR >		
R880 <u></u>	1-212-881-11			5%	1/4W	F	X51		1-577-126-11	VIBRATOR, CRYS	FAL 7.2NHz	
R881	1-249-421-11	CARBON	2. 2K	5%	1/4W		X81			OSCILLATOR, CEI		
							X201			VIBRATOR, CERAI		
R882	1-249-421-11	CARBON	2. 2K	5%	1/4W		X251		1-567-908-11	VIBRATOR, CRYS	FAL 16.9344MHz	
	1-212-881-11	FUSIBLE	100	5%	1/4W	F						
R1001	1-249-389-11			5%		(H150:G, IT)						
R1002	1-249-389-11			5%		(H150:G, IT)	****	***	********	**********	*********	
R1003	1-249-389-11	CARBON	4. 7	5%	1/4W	(H150:G, IT)				NISCELLANEOUS		
R7001	1-249-421-11	CAPRON	2. 2K	EW	1/4W					********		
R7002	1-249-421-11		2. 2K		1/4W		115	: *	1-635-160-11	PC BOARD, SWITC	יי	
			2. 3		2/ 211		305			DEVICE, OPTICAL		
		< VARIABL	E RESISTOR >				307	44		WIRE, FLAT TYPE		
							64			WIRE (FLAT TYPE		
RV81	1-238-601-11	RES, ADJ,	CARBON 22K				64			WIRE (FLAT TYPE		
RV82	1-238-601-11	RES, ADJ,	CARBON 22K									
RV601	1-238-596-11	RES, ADJ,	CAREBON 470				65		1-690-970-11	WIRE (FLAT TYPE	(13 CORE)	
RV611	1-238-596-11	RES, ADJ,	CAREBON 470				65		1-690-970-21	WIRE (FLAT TYPE	E) (13 CORE)	
RV651	1-238-596-11	RES, ADJ,	CAREBON 470				66		1-535-832-12	JUMPER, FILM (V	VITH TERMINAL)	
Duee1	1_990 EAA 14	DEC INT	CADEBON 450				68			WIRE, FLAT TYPE		
RV661 RV701	1-238-596-11						ANT1		1-501-321-61	ANTENNA, TELESO	COPIC (H150)	
RV701 RV721	1-238-601-11						E004		1 590 740 44	PHOP AT LOS TO	IT (HIEA NO OUR)	
RV721	1-238-603-11						F901			FUSE, GLASS TUE		
RV751	1-238-601-11						F901 F902				(EXCEPT H150:US, CND)	
,	2 001 11	, 1100,	JAMPON BUIL				HP1			HEAD, MAGNETIC	(H150:E, EA, JE, AUS)	
		< RELAY >					HRP1			HEAD, MAGNETIC		
	-						N1			MOTOR (A) ASSY	(NDO) I D)	
RY601	1-515-614-21	RELAY								(,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
							M101		X-4917-523-3	MOTOR ASSY (SPI	NDLE)	
							N102		X-4917-504-1	MOTOR ASSY (SLE	ED)	
							N103		A-4608-362-A	MOTOR (L) ASSY	(LOADING)	
							N2		X-3358-211-1	MOTOR (B) ASSY		
							1		Note:		Note:	
										onents identi-	Les composants iden	
										ark <u>/</u> \ or dot- vith mark <u>/</u> \	une marque 🕂 sont pour la sécurité.	critiques
							76—		are critical	for safety.	Ne les remplacer que	
							70-		Replace of number sp	only with part	pièce portant le numé fié.	ero spéci-
									manner sp	,comed.	113.	

Ref. No. Part No. Description	Remarks Ref. No.	Part No.	<u>Description</u>	Remarks
S1A 1-572-335-11 SWITCH, LEAF (CrO2) (DECK A)		H	IARDWARE LIST	
S1B 1-572-335-11 SWITCH, LEAF (CrO2) (DECK B)		**	******	
S2A 1-571-736-11 SWITCH, LEAF (MD POWER) (DECK A)				
S2B 1-571-736-11 SWITCH, LEAF (MD POWER) (DECK B)	#1	7-685-645-79 SC	CREW +BVTP 3X6 TYPE2 IT-3	
S3A 1-571-736-11 SWITCH, LEAF (PLAY) (DECK A)	#2	7-682-547-04 SC	CREW +BVTT 3X6 (S)	
	#3	7-685-650-79 SC	CREW +BVTP 3X16 TYPE2 IT-3	
S3B 1-571-736-11 SWITCH, LEAF (PLAY) (DECK B)	#4	7-685-647-79 SC	CREW +BVTP 3X10 TYPE2 N-S	
S4B 1-571-736-11 SWITCH, LEAF (REC) (DECK B)	#5	7-685-133-19 SC	CREW +P 2.6X6 TYPE2	
T901 ▲ 1-450-055-11 TRANSFORMER, POWER (H150:E, EA, JE, AUS	S)			
T901 ▲ 1-450-463-11 TRANSFORMER, POWER (H150:AEP, EE, G, IT	T/H500) #6	7-685-648-79 SC		
T901 ▲ 1-450-057-11 TRANSFORMER, POWER (H150:US, CND)	#7	7-682-550-09 SC	CREW +BVTT 3X12 (S)	
	#8	7-685-649-79 SC		
******************		7-621-255-25 SC		
	#10	7-621-255-10 SC	CREW +PTT 2X3 (S)	
ACCESSORIES & PACKING MATERIALS				
*****************	#11	7-621-775-20 SC		
	#12		CREW +BVTT 3X5 (S)	
1-465-343-11 RENOTE COMMANDER (RM-S6)	#13		ING, RETAINING, CAPSTAN	
1-501-369-11 ANTENNA (H500:UK)	#14		CREW +KTP 2.6X8 TYPE2NON-SLIT	
1-501-374-11 ANTENNA, LOOP (H500:UK)	#15	7-685-646-79 SC	CREW +BVTP 3X8 TYPE2 N-S	
1-558-032-11 CORD, POWER (H500:UK)				
2-181-754-01 COVER, BATTERY (RM-S6)	#16		TOP RING 2.3, TYPE -E	
	#17	7-621-775-10 SC		
3-701-630-00 BAG, POLYETHYLENE (H500:UK)	#18		CREW +BTP 2.6X8 TYPE2 N-S	
3-754-935-11 MANUAL, INSTRUCTION (ENGLISH, FREN		7-621-255-15 SC		
CHINESE, DUTCH	H) (H500:UK) #20	7-688-001-01 W	Z, SMALL	
* 4-941-548-01 LABEL, CLASS 1				
4-950-193-11 LABEL, MODEL NUMBER (H500:AEP)				
* 4-951-177-01 CUSHION, UPPER				
* 4-951-178-01 CUSHION, LOWER				
* 4-951-427-01 INDIVIDUAL CARTON (H500:UK)				
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Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque A sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.